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Volume 130 DECEMBER 7, 1936 Number 23

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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Volume 130 DECEMBER 7, 1936 Number 23

Alcohol Tests at A.O.A.C. Meeting

Detection of Adulterants in Turpentine Also Highlight Of Convention

WASHINGTON, Dec. 2, 1936.

The Association of Official Agricultural Chemists closed its fifty-second annual meeting today after a three-day session attended by 430 government chemists from all parts of the United States and Canada, the largest registration in its history.

Proposals that studies be made during the coming year looking to better methods for testing industrial alcohol and alcoholic beverages and for detecting adulterants in turpentine were among the high spots of the meeting.

The A.O.A.C. is unique in that membership is open only to control and research chemists employed by federal, state and provincial governments, and its meeting followed the usual pattern of reports from nearly 150 members to whom had been assigned special work in developing new assay and control methods. Many of these referees recommended that further work be done during the coming year, while others submitted improved analytical methods which were tentatively adopted. Still other methods which had been tentatively adopted in earlier years were accepted as official and will be published in the association's book of official methods of analyses.

Wiley Memorial Address

The meeting was opened with the sixth Wiley Memorial Address, delivered by Dr. Andrew L. Winton, former president of the A.O.A.C., dean of American food microscopists, and author of texts on food microscopy. Dr. Winton recalled that he delivered his first paper before the association in 1891. His subject was "Structure as an approach to food chemistry," and was a plea for closer cooperation between the work of the pure chemical specialist, the histologist, and the microscopist. He cited many instances where the study of physical structure will reveal facts not detectable by purely chemical methods.

The opening session was marked by a discussion of alcohol testing, led by

(Continued on page 36B)

Chemical Groups Study Permanent Relief Plan

Means of continuing on a permanent basis the work of information and assistance performed by the Committee on Unemployment and Relief for Chemists and Chemical Engineers were discussed at a meeting of representatives of the societies sponsoring the committee with honorary members of the committee in the Chemists' Club, this city, November 23.

Frank G. Breyer, chairman of the committee, in the belief that changing conditions made it desirable that some existing chemical society take over on a national scale the work of the committee, had obtained a proposal from the American Institute of Chemists. The general scheme of this proposal was outlined by Maximilian Toch, president of the institute, and the matter was discussed from a number of angles by Jerome Alexander, R. T. Baldwin, L. W. Bass, F. G. Breyer, V. K. LaMer, D. P. Morgan, A. C. Morrison, W. W. Winship, and F. W. Zerban.

It was the consensus that determination of the matter should be largely influenced by the attitude of the societies sponsoring the unemployment committee toward the general scheme and the detailed plan that must be worked out. It was felt also that the work already done had been valuable and that the continuation of an informative service and cogent lines would be beneficial

(Continued on page 28)

Costa Rica Gets Tariff Bargain

Exports of Paints, Drugs, Foods Furthered by Duty Reductions in Proposed Trade Agreement

WASHINGTON, Nov. 30, 1936.

Exports of American paint, drug, and food products to Costa Rica are benefited by duty reductions under a reciprocal trade agreement with that country announced today by the Department of State.

The agreement is subject to approval by the Costa Rican Congress and will be effective thirty days thereafter for an initial term of three years. It is the fifteenth tariff bargain made by the Department of State under the trade agreements act. It follows the usual form, providing unconditional most-favored-nation treatment by both countries.

Few duty concessions are made by the United States for Costa Rican products. Reductions are made on pineapples, dried bananas, mango and guava pastes, and preserved guavas, and the United States binds on the free list fresh bananas, cocoa, coffee, deer and reptile skins, turtles, and balsa and cabinet woods.

The following table shows some of the duty concessions on American products made by Costa Rica under this agreement:—

	Costa Rican duties. Old rate. (*Colones per gross kilo).	New rate.	Extent of reduction.	U. S. exports to Costa Rica. 1929.	1935.
Condensed milk, pure or with sugar added, containing not less than 8 percent and 25 percent of cream and solids, respectively.	.30	.30	Bound	$87,140	$9,936
Evaporated milk, pure or with sugar added, containing not less than 7.8 percent and 25 percent of cream and solid, respectively..	.30	.20	33⅓%	17,518	6,340
Hog lard, pure	.60	.55	17%	498,907	52,911
Chewing gum	2.00	1.00	50%	23,503	11,481
Dried skimmed milk	1.00	.65	35%		802
Dried whole milk	1.00	.60	40%	10,544	6,072
Rosin	.10	.05	50%	32,207	7,549
Ready-mixed paints, ready for immediate use or application, enamel paints and enamels, including cellulose lacquers and enamels, and asphalt varnishes, and other prepared paints not specifically classified, ready for immediate use or application...	.40	.30	25%	32,294	29,620
Varnishes prepared without pigments and not specifically provided for	.80	.60	25%	3,761	1,303
Pharmaceutical preparations, liquid, not specified, such as distilled waters, oils, balsams, collodions, eye washes, decoctions, elixirs, official essences, and spirits, emulsions, fluid extracts, syrups, drops, glycerolates, juices, lotions, solutions or liquors, tinctures, liniments, honeys, oxymels, mixtures, mucilages, and wines.	2.00	1.50	25%	79,301	24,571
Unperfumed toilet soap and shaving soap and paste, perfumed or not	2.00	1.00	50%	12,601	5,233
Liquid dentifrices	3.00	2.00	33⅓%	503	79
Plasters, medicinal, unspecified	3.40	1.70	50%	1,123	961
Dentifrices, unspecified	3.40	2.00	41%	9,733	7,152
Ointments and medicinal salves	4.00	2.50	37%	11,566	5,050
Yeast, dried or prepared, for medicinal use.	6.00	4.00	33⅓%	1,444	20,895
Serums and vaccines, not specified	6.00	3.00	50%	4,894	4,174
Pharmaceutical preparations, dry, not specified, such as pills, coated or uncoated, dragees, compound powders, small gelatine capsules or perles, medicinal cigarettes and pencils, tablets or cachets, suppositories in various forms, candles, medicinal teas, dosified medicines in granular form, and salts, prepared or compounded, not including the effervescent varieties	6.00	4.00	33⅓%	42,124	16,867

* The Costa Rican colon equals about 18 cents in United States currency.

Note 1.—It is agreed that the Costa Rican government will not impose any certification requirements or any formality for the importation, registration, licensing and sale of pharmaceutical specialties and patent medicines which are impossible of fulfillment in the United States because of the lack of a duly authorized Federal agency. It is further agreed that the fees for the permanent registration, analysis and licensing and for the fulfillment of any other required formality with respect to the manufacture, importation, and sale of medicinal products and pharmaceutical specialties shall not in the aggregate exceed 10 colones.

Note 2.—No special customs treatment shall be accorded to any third country with respect to any article of specified trade-name, or other exclusive designation now classified under section IX of the Costa Rican customs tariff (second edition), without prior negotiations between the governments of the United States and Costa Rica with respect to appropriate modifications of the nomenclature, import duties, or other charges or exactions on the pharmaceutical products and patent medicines classified in the above-named section.

Commenting on the reciprocal trade agreement with Costa Rica, the Department of State said:—

The tariff advantages granted by Costa Rica affect forty-one tariff items, including duty reductions on thirty and assurances against increase on eleven others. Since many of these tariff items cover several commodity classifications, over 200 individual products are affected. While some articles on which duties are reduced have been subject to moderate rates, others have been subject to rates which have materially restricted imports. For this reason, trade figures of past years in some instances do not give a true picture of the potential value of the reductions.

Patman Act Interpretations

Compiled by National Fertilizer Association

Counsel for the National Fertilizer Association have given careful consideration to the Robinson-Patman act in its relation to the marketing problems peculiar to the fertilizer industry. Certain questions submitted to them and their answers are given below. It will be noted that none of the answers contains any advice or suggestions as to the course any individual producer should follow, in view of the provisions of the act, to protect his constitutional or other rights—such matters must be determined by each producer for himself. The questions and answers are based upon the assumption that the law is operative as written.

Generally speaking, the questions direct attention to specific practices, actual or potential. Wherever the answer to a question indicates that a particular practice would be in violation of the law, such answer assumes that all other jurisdictional and factual elements necessary to establish injury and an unlawful price-discrimination are present. Attention is focused, of course, upon the specific practice under consideration.

Counsel have pointed out—what is obviously true—that the answers given are not, and are not intended to be, official declarations of what the law is but

(Continued on page 36A)

Industry Parley Plans Outlined

Berry Says Attainment of Stable Prosperity Is Prime Purpose

'Commerce' to Be Defined

Conferees Will Select Processes —Solution of Problems to Be Vigorously Sought

WASHINGTON, Nov. 30, 1936.

Formulation of a suggested legislative program to be placed before the new Congress will be the chief business of the meeting of the Council for Industrial Progress, scheduled to gather in Washington December 10 and 11, it was indicated today by Maj. George L. Berry, Co-ordinator for Industrial Co-operation.

While last year's meeting devoted itself to the formulating of general principles, Major Berry said, the coming conference will concern itself with details of a program designed to provide a co-ordination of the efforts of industry and labor toward "lasting stable prosperity."

Major Berry declared that interest in the work of the council has shown a large increase in recent weeks. He said that more than 400 individuals engaged in various lines of industry and representing about 2,000,000 business establishments, have already indicated their intention to be present. Among these are Charles J. Brand, Washington, representing the National Fertilizer Association; R. W. Johnson, of Johnson & Johnson, New Brunswick, N. J.; Frank Morse, Detroit, representing the Salt Producers Association; Emile Beauvais, St. Louis, representing the National Hairdressers and Cosmetologists Association; Mark Rothman, Philadelphia, representing the Philadelphia Association of Retail Druggists; R. E. Lee Williamson, Baltimore, representing the Federal Wholesale Druggists Association; Louis C. Sumberg, Boston, representing the Boston Association of Retail Druggists; Nicholas S. Gesoalde,

(Continued on page 36B)

Patman Act Charges Denied by Elmo, Inc.

WASHINGTON, Dec. 2, 1936.

A denial that it is violating either the Robinson-Patman act or the Federal Trade Commission act has been filed by Elmo, Inc., manufacturer of cosmetics, Philadelphia, on behalf of itself and the Elmo Sales Corporation, a subsidiary, in answer to a complaint issued against the two concerns by the Federal Trade Commission.

Elmo, Inc., asserts that it does not do business in interstate commerce as it sells its entire product to the Elmo Sales Corporation. The Elmo Sales Corporation admits the general charges of the commission that it places demonstrators in retail stores and pays their salaries.

However, the company denies that in so doing it illegally favors certain of its purchasers, denies that it discriminates against others in so doing, and denies that it fails to accord the services of demonstrators to all its purchasers on proportionately equal terms. On the contrary, the answer states, the company accords the services of demonstrators to all its purchasers who desire them, on proportionately equal terms.

The company also denies that its demonstrator system constitutes an unfair method of competition or places any restraint upon competition between it and other manufacturers or between retailers.

Closing Market Developments

London Closing Cable

LONDON, Dec. 4, 1936.

Quotations on carnauba wax were 156 shillings per hundredweight.

Juniper Berries Up for Shipment

Cables received last Friday afternoon carried replacement prices that on juniper berries showed an advance of 1c. per pound. The spot prices held pending further information but the tendency was upward.

Special Solvent and C.D. Alcohol

Producers of special solvent alcohol announced 3c. advance in prices, effective at once, and covering business to the end of the first quarter in 1937. The new quotations were:—Tanks, 27c. per gallon; drums, car lots, 33c.; 20 drums, 35c.; 1 to 19 drums, 38c. Quotations on completely denatured alcohol were also advanced to the following position:—Drums, car lots, 33c.; 20 drums, 35c.; 1 to 19 drums, 38c. No change was made in the schedule on specially denatured alcohol, formula No. 1. The above prices prevailed at the works east of the Rocky Mountains.

Sardine Meal Higher

Japanese sardine meal, No. 1 grade, sold at $43.50 per ton late in the week. This was $1 per ton higher than the sales price earlier in the week and the market was now in a nominal position at that figure with no offerings because of the lack of freight space from the Orient. At this writing, importers could not offer this side of March shipment.

Crude Oil Prices to Rise

Continental Oil Company will increase posted prices for crude oil in areas where the company is a large purchaser. The increase will take place January 4, 1937, and, according to reports, will be 17c. per barrel on crude of 40 degrees gravity and above with a 2c. differential for each degree of gravity lower. The company now posts prices at Oklahoma-Kansas; North Texas; Carson and Hutchison counties; Artesia, Jackson and Maljamar in New Mexico, and the Tepetate pool in Louisiana.

Tankwagon prices for No. 1 furnace oil and range oil will be advanced ¼c. per gallon to 7c. per gallon for furnace oil and 7.3c. for range oil in Metropolitan Chicago. The advance will take place today (December 7) and will be initiated by the Standard Oil Co. of Indiana.

Antimony Metal Higher

Antimony metal was fractionally higher at 12¾c. per pound for spot purchases.

Tin Salts Easier

Prices for tin salts were easier at the close of the week, reflecting the easy tone in Straits tin, listed at 50.62½c. per pound. Tin crystals were 38c. to 38½c. per pound; soda stannate, 33½c. to 36½c. per pound; anhydrous tetrachloride of tin, 25¾c. per pound.

Cottonseed Oil Active

The local market for refined cottonseed oil futures was active late in the week. On Friday transactions were 357 tanks, making a total for the week of 1782 tanks of 60,000 pounds each. Prices were irregular, changes being frequent. Heavy profit taking and hedging sales were well absorbed and at the close of the market May was 10.79c. and May 10.95c., compared with 10.48c. and 10.59c. at the close of the previous week. Southern markets for crude oil were very firm. Heavy sales were reported at 9¼c., and later that figure was bid with 9½c. asked.

Foreign Tariff Notes

Information recently published by the Department of Commerce on foreign tariffs and related trade regulations includes the following data:—

Alimentary Pastes:—Italy has reduced the import duty on alimentary pastes from 89 lire to 66 lire per 100 kilos.

Animal Oils and Vegetable Oils:—Canada's tariff board will hold a hearing December 9 to consider applications for increased duties on animal oils, fats and greases, not including butter and cream and vegetable oils.

Fertilizer Salts:—United Kingdom has changed its customs tariff classification to include on the free list carbonate of potash, muriate of potash, sulphate of potash, kainite and other potash fertilizer salts, whether mineral or not. Nitrate of potash is not included and is dutiable at 33 1-3 percent ad valorem under the industry duties if of pure or reagent quality, otherwise at 10 percent ad valorem.

Chemical Price Changes Balanced

Advances and reductions were of equal weight and of almost equal numbers among price changes made last week in the markets for heavy and fine chemicals. There was a slight drop in the average for coaltar chemicals and a slight rise in that for pharmaceuticals. Business increased somewhat in activity. Consuming activities maintained the gratifying volume of shipments, and there was no reason to believe that producers' carryovers would be large.

Prices were advanced on nitrate of silver, menthol, bone and hide glues, softwood charcoal, cocoa butter, domestic tankage at New York, nitrogenous fertilizer material at Eastern and Western points, and raw and steamed bone at Chicago. Prices were reduced on tin crystals, carbonate of potash, methyl chloride, paranitroanilin, tobias acid, and betanaphthylamine, and on bonemeal and hoofmeal at Chicago.

Price schedules for 1937, making no change in quotations, were issued on acetate of soda, soda bisulphite solution, zinc-ammonia chloride, chloride of zinc, ultramarine blues, and asbestos fiber.

The REPORTER'S composite index number of prices for heavy and fine chemicals remained at 125.7 (compared with August 1, 1914, as 100). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 89.0, against 89.3 at this time last year.

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J. A. Huisking Elected Drug-Chemical President

Joseph A. Huisking, secretary of Charles L. Huisking & Co., drug and chemical merchant, this city, was elected chairman of the Drug, Chemical and Allied Trades Section of the New York Board of Trade at a meeting of the executive committee held December 1 in the Drug & Chemical Club, this city.

Other executive officers elected were:—Vice-chairman, August A. Wasserscheidt, of the Mallinckrodt Chemical works; treasurer, S. Barksdale Penick, sr., of S. B. Penick & Co.; secretary, Ray Schlotterer, of the New York Board of Trade.

Joseph A. Huisking

At the same meeting, the committee chose March 4, 1937, as the date of the section's annual dinner. It will be held in the Waldorf-Astoria, and will be the twelfth annual get-together dinner of the organization.

Joseph A. Huisking has been closely identified with the drug, chemical and allied trades for the past twenty-four years. He was born July 12, 1897, in Brooklyn, N. Y., the son of Paul H. and Bertha Huisking. On completing his formal education in St. Augustine's Academy, Brooklyn, he became identified with the company which was founded by his brother, Charles L. Huisking, in 1910. At that time he began a novitiate which took him into all departments of the business. Eventually, he took over the management of the essential oil division of the company and later on directed the purchases and sales of codliver oil, camphor, and menthol. He was elected vice-president of the organization when it was incorporated in 1917, becoming secretary at a later date.

Mr. Huisking married Bertha E. Acker on August 15, 1917, in Brooklyn, and is the father of Miss Dorothy E. Huisking. He is a member of St. Thomas Church, Woodlawn, L. I., in which city he has his residence, and is also vice-president of the Drug & Chemical Club, of which organization he is slated to be elected president early next year.

Soda Ash Production: 193

Production of soda ash in the United States in 1935 amounted to 2,508,5[5] tons, an increase of 8.3 percent over the output for the year 1933, according to a preliminary release of the Bureau of the Census based on data compiled in the Biennial Census of Manufactures taken this year.

Comparative statistics for the two years follow, those for 1935 being subject to revision:—

	1935.	19
Number of establishments	17	
Total production, tons (2,000 lbs.)	2,508,559	2,317,[6]
Made and consumed in same establishments, tons	637,224	662,[1]
For sale—		
Tons	1,871,335	1,654,[5]
Value	$28,424,750	$24,182,[1]
For sale, by process—		
Ammonia-soda—		
Number of establishments	9	
Tons	1,776,470	1,585,[5]
Value	$27,212,035	$23,163,[1]
Natural and electrolytic soda—		
Number of establishments	8	
Tons	94,865	†68,[1]
Value	$1,212,715	†$1,018,[1]

* Includes two establishments which report no soda ash for sale.
† Natural process only.

T.G.A. Sets Up Advisers On Formulas, Advertising

Ban on Hazardous Ingredients And Check on Unwarranted Claims Planned

The Toilet Goods Association is organizing a board of standards for products of its industry in accordance with the action taken at its 1936 meeting. H. Gregory Thomas, of Guerlain, Inc., has been selected by the executive committee of the association to form the board of standards and to direct its functioning. Four other members of the board have been selected, and completion of the personnel is expected shortly.

The T.G.A. board of standards will form a scientific committee of chemists representing various branches of the industry. The chemists will study and report on ingredients which should be banned by all manufacturers of toilet preparations and check the scientific truth of claims made in advertising and labels submitted to them. From such technical information the board plans to make available to members of the industry a list of the products which should not be used and to ask manufacturers to agree to exclude them from articles bearing their names.

An advertising advisory committee, patterned on the similar unit of the Proprietary Association, will review advertising copy and labels submitted by members of the industry and examine such copy in the light of good taste and fair trade practices. All advertising claims, whether made in copy or on labels, which appear technically misleading, exaggerated or untrue, are to be referred to the scientific committee for review.

The services of the board and its advisers will be available to all members of the toilet goods industry, whether members of the association or not. The plans of the board look to a substantial degree of co-operation with the United States Food and Drug Administration.

Oil Companies Cheated Indians, U.S. Asserts

WASHINGTON, Dec. 3, 1936.

Practices carried on over a twenty-year period in the dealing of certain oil companies witih the Osage Indian tribe are involved in suits filed by the United States District Attorney for the Northern District of Oklahoma, by direction of the Attorney General, and at the request of Harold L. Ickes, Secretary of the Interior.

One group of suits is brought against purchasing companies claiming that when they measured the oil purchased from the Indians, they deducted three percent (3%) from the amount of oil received because of "dirt and sediment." The government charges that no such deduction had been or could be lawfully authorized from the royalty oil belonging to the Indians.

The practice of pipe line companies in reporting less oil received for transportation than the actual amount received is the basis of the other suits. Recovery of the value of the amount of "overage" is sought.

These claims involve several million dollars. They have been the subject of an exhaustive inquiry, including hearings in Washington, and the issues of fact and legal questions involved have been decided by the Department of Justice as being sufficient to be litigated.

Suits have now been filed with the United States as plaintiff against the Carter Oil Company and the Stanolind Crude Oil Company, purchasers of oil, and against the Oklahoma Pipe Line Company, the Stanolind Pipe Line Company and the Sinclair Prairie Pipe Line Company as transporters.

Anthraquinone Made in Japan

Following research conducted by the Japanese Industrial Research Institute, the Tobo Chemical Works has been successful in inaugurating the manufacture of anthraquinone, according to a Tokyo industrial news service quoted by the Department of Commerce. The new product was placed on the market about November 1. The productive capacity of the manufacturer is two metric tons a month. Demand is said to be in excess of this quantity.

Industry Should Be Articulate

Suggestion for Participation in Solution of Economic Problems, Made by J. R. MacGregor, of the Eagle-Picher Lead Company, at the 1936 Meeting of the National Paint, Varnish and Lacquer Association

I have knocked around the country quite a bit and have gained the impression that some of you have felt that things in our national capital are not conducive to ease of mind of the business man.

The criticisms have been rather varied and rather general. Chemists, when they make an analysis, find all the facts they can and some of the results are negative, but always they can get a direction to continue their research and possibly to do additional constructive work. Now, in this case, we have made our analysis and we found that some things are wrong and the general criticism is that schemes have been fastened upon us.

Our organization has found conditions of that kind in the past and we have cleared away the unsatisfactory procedures and have worked out a scheme that has brought our organization to the forefront in industry.

Now, I am going to suggest that we go one step further. It is a very logical and simple way and the history of all countries, including our own, indicates it is the right direction. We find bloc government, as Mr. Patman said, taking the place of isolated clamor of the individual. We have an organization with a trained personnel. Why not ask them—and I would like this organization to go on record as asking our official representatives, Mr. Trigg, if you will, or whomever you suggest—to do nothing other than assemble the various trade organizations, at least interview them and see if we cannot assemble into a large industrial group that can make its voice heard.

If we do not do that, we are going to have fastened onto us instructions and directions by politicians who mean

(Continued on page 36A)

Chemical Engineers Will Open Symposium Dec. 28

A symposium for the discussion of "Absorption and Extraction" will be held by the industrial and engineering chemistry division of the American Chemical Society December 28 and 29 in Columbia University, this city. Papers presenting the theoretical and applied aspects of the subject will be read.

Reports will be presented on research done at the University of Birmingham, England; Drexel Institute, University of Illinois, Massachusetts Institute of Technology, Pennsylvania State College, Princeton University, and the University of Virginia. Among the contributors will be members of the chemical engineering staffs of prominent oil companies and manufacturers of equipment.

There will be an informal dinner in the evening, December 28.

Fertilizer Groups Form Service Organization

BALTIMORE, Dec. 2, 1936.

Officials of four co-operative organizations engaged in activities related to the fertilizer trade met here last night and organized the Co-operative Southern States Fertilizer Service, Inc., with an initial capitalization of $50,000. The new concern will begin to function immediately. It will handle the output of the Piedmont-Mount Airy Company's fertilizer factory, Curtis Bay, recently acquired from the Davison Chemical Corporation. The latter also operates a plant at Curtis Bay. The factory tract takes up twenty-three acres, is adequately served by water and railroad transportation and has an estimated capacity of 100,000 tons a year, but has never, it is said, attained such an output. The plant is said to be the largest one secured by a farmers' co-operative body.

The groups represented in the new federation are:—Southern States Co-operative, Inc., Richmond, Va.; West Virginia Co-operative Farmers' Service, Clarksburg, W. Va.; Pennsylvania Farm Bureau Co-operative Association, Harrisburg, Pa.; and Virginia Seed Service, Inc., of Richmond, Va.

The officers of the organization are:—President, H. A. Glenn, Richmond; vice-president, H. S. Agester, Harrisburg; vice-president, A. B. Post, Clarksburg; executive vice-president, W. T. Steele, jr., Baltimore; secretary-treasurer, O. E. Zacharias, jr., Richmond. These officers, with the addition of S. A. Agnew, of Burkeville, Va., make up the board of directors.

Chemical Exports at High Point

October Shipments Greatest for Any Month in Six Years And 14 Percent Above 1935

Exports of chemicals and related products from the United States in October advanced sharply to a record that has not been attained during any month for six years, the value totaling $14,472,000, compared with $12,689,000 in September and $13,548,000 in October of the preceding year, according to C. C. Concannon, chief of the Chemical Division of the Bureau of Foreign and Domestic Commerce, in a preliminary report.

Outstanding gains were recorded in exports of industrial chemicals, chemical specialties, fertilizers, and medicinal products. Foreign shipments of industrial chemicals, which include such products as acids, alcohols, soda compounds, and sulphur, were valued at $3,230,000 in October, which represented an increase of 14 percent over the preceding month.

October exports of chemical specialties, which consist largely of high-grade packaged goods, were valued at $1,964,000 compared with $1,627,000 in September. This group includes agricultural and household insecticides and disinfectants, compounding agents, heating and refrigerating gases, and plastic materials.

A total of 173,000 tons of fertilizers, valued at $1,970,000, was shipped to foreign countries from the United States during the month, bringing the total for the first ten months of the year to 1,460,000 tons, valued at $15,720,000. This represents a very substantial increase over shipments of such materials, largely phosphates and potashes, in the corresponding period of last year during which 1,193,000 tons, valued at $11,620,000, were exported, according to the Commerce Department.

Foreign demand for American medicinal products was especially good in October, preliminary statistics indicate. Exports of serums, vaccines, proprietary and non-proprietary products, white mineral oils, and other items which make up this group were valued at $1,312,000 during the month, compared with shipments valued at $1,249,000 during the preceding month and $1,079,000 in October, 1935.

Export shipments of paint products continued at the high level that has been maintained throughout the current year, preliminary statistics show, the value for the month aggregating $1,563,000 compared with $1,240,000 for October, 1935. This group includes ready mixed paints, varnishes, lacquers and pigments.

Such import figures as are available indicate that the demand for fertilizer materials, industrial oils, and seeds from which such oils are expressed, was especially heavy in October.

A total of 163,000 tons of fertilizer materials, valued at $3,742,000, was brought in during the month compared with 66,000 tons, valued at $1,456,000, in October, 1935.

Receipts of flaxseed advanced sharply to 1,746,000 bushels, valued at $2,325,000, against 930,000 bushels, valued at $691,000, during October, 1935.

Other chemical imports recording increases in October included coaltar products and a number of miscellaneous raw and semi-manufactured materials destined for industrial consumption.

Oil Independents For Conservation

Convention Favors Restricting Imports to 4.5 Percent And Doubling Tax

OKLAHOMA CITY, Dec. 2, 1936.

Resolutions calling for conservation of oil resources; Federal legislation to permit various branches of the industry to co-operate in voluntary agreements; continuation of surveys designed to balance supply and demand; continuation of proration to divide the national market among producing states; urging the industry to set up a price structure based on production costs rather than upon the price of gasoline; and to petition the Federal Government and State legislators to eliminate the Federal sales tax on gasoline and lubricating oil, were adopted at the annual convention of the Independent Petroleum Association of America, in session here November 30 to December 1.

Other resolutions favored doubling the oil import tax; restricting imports to 4.5 percent of the nation's demand; discontinuance of the diversion of gasoline taxes from the construction and maintenance of highways; and commending the Interstate Oil Compact Commission for its work and urging its continuance, especially in formulating plans for orderly development of pools to prevent waste and plans for regulation of withdrawals of crude oil from storage.

All the officers of the association were re-elected, as follows:—President, Charles F. Roeser, Fort Worth; executive vice-president, Harold B. Fell, Tulsa; general counsel, Russell B. Brown, Washington; assistant to the president, T. J. Steuart, Washington; executive manager, C. E. Buchner, Tulsa; treasurer, N. T. Gilbert, Tulsa.

President Roeser, in his address, laid emphasis on the elimination of excessive drilling and the prospective advance in the price of crude oil. In analyzing the year's developments in the industry, he predicted a definite increase in crude prices. He urged the re-enactment of the "hot oil" bill, excise taxes on imported petroleum, and the interstate oil compact, all of which expire in 1937.

Mr. Brown stated that were it not for the record-breaking demand of the past year, such a flood of foreign oil as has been received in this country would have been destructive.

Baird H. Markham, director of the American Petroleum Industries Committee, spoke of the increasing costs being placed on the industry, stating that taxes imposed on a barrel of crude oil selling at the well for about $1, amounted to $1.13 before the oil is finally used. He added that a total of 201 different types of taxes are imposed on a barrel of oil as it passes from well to consumer. In the case of gasoline, he said, sales taxes average nearly 40 percent. The 1935 petroleum tax bill, he said, exceeded $1,000,000,000, and added that there was no quarrel with an entirely sound theory of taxing gasoline to finance highways, but asked that the tax rate be reasonable, that the revenue be spent for roads, and that the development of the highway systems be efficient and economical.

In conjunction with the meeting, the Interstate Oil Compact Commission held sessions, and representatives of twelve oil-producing states voted confidence in the United States Bureau of Mines' practice of estimating monthly demand and approved extension of the agreement for another year.

N. Y. Paint Groups Will Have Xmas Party Dec. 17

With the purpose of demonstrating their belief that a very merry Christmas approaches, the New York Paint, Varnish and Lacquer Association and the New York Paint and Varnish Production Club are combining to throw a celebratory party in the Hotel Biltmore December 17. The slogan is:—"A better-than-ever time will be had by all."

Dinner, entertainment de luxe, prizes, and surprises are on the calendar. Music will be interspersed as the occasion requires. The "doings" are being arranged by a joint committee with two heads—Thomas F. Brennan and G. Austin Wharry—but there is nothing of the freak about it.

WHITE-LEAD —*Lasts!*

INCREASE the white-lead content of your paints and you increase their lasting properties. For "white-lead" and "long life" are synonymous terms.

Also—the more white-lead the better the paint in ease of spread and coverage.

The white-lead pigments of National Lead Company are the choice of leading manufacturers because the quality and uniformity of these pigments never vary from the highest standards... In addition to the white-lead pigments listed below, National Lead Company is also a dependable source of supply for lead oxides—red-lead, litharge and orange mineral.

NATIONAL LEAD COMPANY

111 Broadway, New York; 116 Oak Street, Buffalo; 900 West 18th Street, Chicago; 659 Freeman Avenue, Cincinnati; 1213 West Third Street, Cleveland; 722 Chestnut Street, St. Louis; 2240 24th Street, San Francisco; National-Boston Lead Co., 800 Albany Street, Boston; National Lead & Oil Co. of Pa., 316 4th Ave., Pittsburgh; John T. Lewis & Bros. Co., Widener Bldg., Phila.

DRY WHITE-LEAD
(Dutch or Carter process)

H. T. S.
(High Tinting Strength)
WHITE-LEAD

BASIC LEAD SULPHATE

Current Market Quotations

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

RECEIVED DEC 7 1936 LIBRARY THE CHEMISTS' CLUB

A

Acacia (see Gum, Arabic)
Acetal, dms., works....lb. .75 - 1.00
Acetaldehyde, dms., works....lb. .14 - .16
Acetamide, CP, bots., kegs, 1,000 lb. min., works..lb. .43 - —
tech., kegs, 1,000 lb. min., works lb. .38 - —
Acetanilide, tech., 95%, bbls..lb. .24 Nom.
USP, bbls....lb. .29 - —
Acetin, tech., dms....lb. .22 - .28
Acetoacetanilide, dms. ....lb. .65 - .70
Acetone, CP, dms., c.l., dlvd..lb. .07 - —
l.c.l., dlvd....lb. .07½- —
tanks, dlvd....lb. .06 - —
Methyl (see M)
Acetophenone, bots., cns....lb. 1.25 - 2.25
Acetphenetidin, kegs....lb. 1.30 - 1.40
Acid, abietic, bbls., c.l....lb. .06¾- —
l.c.l. ....lb. .07 - —
Acetic, coml. or redist., 28% bbls. 100 lbs. 2.45 - 2.70
cbys. ....100 lbs. 2.95 - 3.20
56%, bbls. ....100 lbs. 4.60 - 4.85
cbys. ....100 lbs. 5.10 - 5.35
70%, bbls. ....100 lbs. 5.75 - 5.90
cbys. ....100 lbs. 6.25 - 6.40
80%, bbls. ....100 lbs. 6.55 - 6.70
cbys. ....100 lbs. 7.00 - 7.20
glacial, natl., CP., cbys.100 lbs.14.00 - —
coml. bbls. ....100 lbs. 8.45 - 8.60
cbys ....100 lbs. 8.95 - 9.15
USP., dms. ....100 lbs.10.50 - —
cbys. ....100 lbs.11.00 - —
synth., 99.5%, al. dms.100 lbs. 8.45 - 8.60
cbys. ....100 lbs. 8.95 - 9.15
USP., reagent, 99.5%, al. dms—100 lbs.10.50 - —
cbys. ....100 lbs.11.00 - —
pure, 56%, bbls.....100 lbs. 3.52 - 3.77
cbys. ....100 lbs. 3.92 - 4.17
80%, bbls. ....100 lbs. 3.95 - 4.20
cbys. ....100 lbs. 4.45 - 4.70
90%, bbls. ....100 lbs. 6.63 - 6.88
cbys. ....100 lbs. 7.13 - 7.38
99%, bbls. ....100 lbs. 8.83 - 8.58
cbys. ....100 lbs. 8.83 - 9.08

Acetic acid prices are on freight allowed basis in zone 1 (East of Mississippi River). Zone 2 (Mississippi River to Rocky Mount), $1.50 per 100 lbs. higher, Zone 3 (Pacific Coast), $1.75 per 100 lbs. higher.

Acetic, anhydride, dms., c.l..lb. .15 - —
l.c.l. ....lb. .16 - .19
Acetylsalicylic, USP, bbls., 225 lbs..lb. .55 - —
boxes, 100 lbs....lb. .56 - —
50 lbs....lb. .57 - —
25 lbs....lb. .58 - —
kegs, 100 lbs....lb. .55 - —
Anthranilic, refd., bbls.....lb. .85 - .90
tech., bbls. ....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP., powd., dms., kegs...lb. .18 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - —
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Battery, cbys.....100 lbs. 1.60 - 2.50
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, delvd. ton.105.00 - —
c.l., delvd.....ton.110.00 - —
l.c.l., ex whse.....ton.115.00 -120.00
xks., contracts, 80 tons, delvd..ton.95.00 - —
c.l., delvd.....ton.100.00 - —
l.c.l., ex whse.....ton.105.00 -110.00
powd., bbls., contracts, 80 tons, delvd..ton.110.00 - —
c.l., delvd.....ton.115.00 - —
l.c.l., ex whse.....ton.120.00 -125.00
xks., contracts, 80 tons, delvd..ton.100.00 - —
c.l., delvd.....ton.105.00 - —
l.c.l., ex whse.....ton.110.00 -125.00
USP., $25 per ton higher.
Brosmer's, bbls.....lb. 1.16 - 1.21
Butyric, 95%, w.w., cbys., works, lb. .25 - .30
edible, cbys., works.....lb. 1.20 - 1.30
synthetic, 99%, dms., c.l., S. Charleston, W. Va...lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Camphoric, cans.....lb. 5.50 - —
Caproic, cans.....lb. 2.20 - —
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .16 - .16½
Chicago, bbls.....lb. 2.10 - —
Chlorosulphonic, dms., c.l., works. lb. .03½- —
5 drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., delvd. N.Y. lb. .14¾- .16¾
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., bbls.....lb. .25 - —
kegs ....lb. .25½- —
gran., bbls.....lb. .25 - —
kegs ....lb. .25½- —
powd., bbls.....lb. .25½- —
anhyd., gran., dms.....lb. .28 - —
powd., dms.....lb. .28½- —
Prices on citric acid are f.o.b. N. Y.; Chicago and St. Louis deliveries are ½c. higher than N. Y.
Cleve's, bbls.....lb. .52 - .54
Cocoanut oil, white, dms.....lb. .1180- .1225
Cottonseed oil, dms.....lb. .0710- .0800
Cresylic, high-boil, dms., c.l., works, frt. equald.....gal. .72 - —
l.c.l., same basis....gal. .74 - —
low-boil, dms., c.l., works, frt. equald..gal. .77 - —
l.c.l., same basis....gal. .79 - —
Acid, cresylic, special resin grade, dms., c.l., works.....lb. .09 - —
l.c.l., same basis....gal. .09½- —
high-boil, dms., c.l., works..gal. .72 - —
l.c.l., same basis....gal. .74 - —
Crotonic, dms., works.....lb. .90 - 1.00
Diethylbarbituric (see Barbital).
Dipsilon, bbls.....lb. .77 - .79
Formic, dom., seaboard, 90%, cbys., dlvd., c.l..lb. .11 - —
23 carboys and over....lb. .11½- —
1-24 carboys.....lb. .12 - —
Southern territory, cbys., c.l. lb. .1220- .1290
25 cbys. and over.....lb. .1270- .1340
1-24 carboys.....lb. .1320- .1390
Inland territory, cbys., c.l.lb. .1185- —
25 cbys. and over.....lb. .1235- —
1-24 cbys.....lb. .1285- —
Fumaric, bbls.....lb. .60 - —
Gallic, tech., bbls.....lb. .65 - .68
N.F., VI, bbls.....lb. .77 - .80
Gamma, bbls.....lb. .80 - .84
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls.....lb. .50 - .55
Hempseed oil, dms.....lb. .1180-.1225
Hydriodic, 47%, bots.....lb. 2.20 - 2.25
57%, bots.....lb. 2.65 - 2.70
Hydrobromic, 10%, USP,cbys.lb. .18 - .20
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.80
Hydrofluoric, 30%, bbls.....lb. .07 - .07½
lead, cbys.....lb. .09 - .09½
48%, lead cbys.....lb. .11½- .13
52%, lead cbys.....lb. .12½- .13
60%, lead cbys.....lb. .15 - .16½
Hydrofluosilicic, 30-35%, bbls.lb. .10½- .15
Hypophosphorus, USP, 30%, djns..lb. .75 - —
Koch, bbls.....lb. .56 - .57
Lactic, 22%, dark, bbls.....lb. .04½- .05
light, redined, bbls.....lb. .06½- .07
44%, dark, bbls.....lb. .09½- .10
light, redined, bbls.....lb. .11½- .13
USP, X, 85%, cbys.....lb. .45 - .50
USP, VIII, 75%, cbys.....lb. .43 - .48
Linseed oil, dark or light, dms..lb. .1290- .1330
tanks .....lb. .1220- —
extra white, dms.....lb. .1115- .1160
split, dms.....lb. .09 - .10
Laurent's, bbls.....lb. .46 - .47
Maleic, powd., dms.....lb. .29 - .40
anhydride, dms.....lb. .33 - .43
Malic, powd., kegs.....lb. .45 - .60
Mixed, tanks, nitric unit.....lb. .06½- .07½
sulphuric unit.....lb. .0065- .008
Monochloracetic, tech., bbls..lb. .16 - .18
80%, bbls.....lb. .18 - .20
Monosulphonic, bbls.....lb. 1.50 - 1.60
Muriatic, 18°, cbys, c.l., works, 100 lbs. 1.35 - —
l.c.l., 25 and over, works, 100 lbs. 1.60 - —
10 to 24, works..100 lbs. 1.75 - —
5 to 9, works..100 lbs. 1.95 - —
1 to 4, works..100 lbs. 2.90 - —
truckloads, delvd...100 lbs. 1.60 - —
tanks, works.....100 lbs. 1.60 - —
20°, cbys, c.l., works..100 lbs. 1.45 - —
l.c.l., 25 and over, works, 100 lbs. 1.70 - —
10 to 24, works..100 lbs. 1.85 - —
5 to 9, works..100 lbs. 2.05 - —
1 to 4, works..100 lbs. 3.00 - —
truckloads, delvd...100 lbs. 1.70 - —
tanks, works.....100 lbs. 1.10 - —
22°, cbys, c.l., works.100 lbs. 1.95 - —
l.c.l., 25 and over, works, 100 lbs. 2.20 - —
10 to 24, works..100 lbs. 2.35 - —
5 to 9, works..100 lbs. 2.55 - —
1 to 4, works..100 lbs. 3.50 - —
truckloads, delvd..100 lbs. 2.20 - —
tanks, works.....100 lbs. 1.60 - —
CP, cbys.....lb. .06½- .07½
6-lb. bots.....lb. .06½- .13½
Naphthenic, S.V. 120-200, dms, lb. .07 - .09
210-230, dms.....lb. .10 - .12
240-260, dms.....lb. .11 - .14
sludges, dms.....lb. .06 - .10
Neville & Winther's, bbls.....lb. .85 - .87
Nitric, 36°, cbys, c.l., works, 100 lbs. 5.00 - —
l.c.l., 25 and over, works, 100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.40 - —
5 to 9, works..100 lbs. 5.60 - —
1 to 4, works..100 lbs. 6.50 - —
truckloads, delvd..100 lbs. 5.25 - —
38°, cbys, c.l., works..100 lbs. 5.50 - —
l.c.l., 25 and over, works, 100 lbs. 5.75 - —
10 to 24, works..100 lbs. 5.90 - —
5 to 9, works..100 lbs. 6.10 - —
1 to 4, works..100 lbs. 7.00 - —
truckloads, delvd...100 lbs. 5.75 - —
40°, cbys, c.l., works..100 lbs. 6.00 - —
l.c.l., 25 and over, works, 100 lbs. 6.25 - —
10 to 24, works..100 lbs. 6.40 - —
5 to 9, works..100 lbs. 6.60 - —
1 to 4, works..100 lbs. 7.50 - —
truckloads, delvd...100 lbs. 6.25 - —
42°, cbys, c.l., works..100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works..100 lbs. 6.90 - —
5 to 9, works..100 lbs. 7.10 - —
1 to 4, works..100 lbs. 8.00 - —
truckloads, delvd...100 lbs. 6.75 - —
CP, cbys.....lb. .11½- .13½
7-lb. bots.....lb. .12½- .23½
Prices of yellow nitric acid 25c. per 100 lbs. below those above.
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works. lb. .11 - —
l.c.l., same basis.....lb. .12 - .14
Palm oil, dms.....lb. .08 - .08½
Para-aminobenzoic, bbls., frt. all'd..lb. 1.25 - 1.30
Peri, bbls.....lb. .62 - —
Phenylacetic, bots.....lb. 2.00 - 3.25
Phosphoric, tech., 50%, cbys.lb. .06 - —
75%, cbys.....lb. .09 - —
USP, 85%, s.g. 1.710, djns.lb. .13 - .14
50%, s.g. 1.347, cbys, djns., lb. .14 - —
10%, dilut., cbys, djns..lb. .07 - .07½
Acid, picramic, kgs.....lb. .65 - .70
Picric, bbls., c.l.....lb. .30 - —
l.c.l. ....lb. .35 - .40
Propionic, ref., cbys., work..lb. .25 - —
dms., works ....lb. .22 - —
tech., cbys., works.....lb. .20 - —
dms., works ....lb. .16 - —
Pyrogallic, cryst., cns.....lb. 1.55 - 1.65
resubl, cns.....lb. 1.90 - 2.00
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, dms.....lb. .20 - .25
Salicylic, tech., bbls.....lb. .40 - —
USP, bbls.....lb. .40 - .45
Sardine oil, dms.....lb. .09½- .09½
Sebacic, C.P., bbls., works..lb. .50 - —
tech., bbls., works.....lb. .37 - .41
Soybean oil, dms.....lb. .09¾- .10¼
Stearic, distil., double pressed, bgs., dlvd..lb. .11 - .12
single pressed, bgs., dlvd.lb. .10½- .11½
triple pressed, bgs., dlvd.lb. .13¾- .14¾
saponif., double pressed, bgs., dlvd..lb. .11¼- .12¼
triple pressed, bgs., dlvd..lb. .14 - .15
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots, works.lb. 1.60 - 1.65
tech., dms., works.....lb. .18 - .19
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., works, 100 lbs. 1.10 - —
l.c.l., 25 and over, works, 100 lbs. 1.35 - —
10 to 24, works..100 lbs. 1.50 - —
5 to 9, works..100 lbs. 1.70 - —
1 to 4, works..100 lbs. 2.65 - —
tanks, works.....ton.11.00 - —
66°, cbys., c.l., E works. 100 lbs. 1.35 - —
mid-W works.....100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.60 - —
10 to 24 works..100 lbs. 1.75 - —
5 to 9, works..100 lbs. 1.95 - —
1 to 4, works..100 lbs. 2.90 - —
truckloads, delvd...100 lbs. 1.60 - —
tanks, works.....ton.15.50 - —
99%, tanks, works.....ton.16.50 - —
CP, cbys.....lb. .06¼- .07¼
9-lb. bots.....lb. .06¾- .17¾
fuming, 20%, tanks, works.ton.18.50 - —
Sunflower seed oil, dms.....lb. .18 - .19½
Tannic, tech., bbls.....lb. .19 - .25
USP, fluffy, bbls.....lb. .85 - .88
Tartaric, USP, dom., cryst., gran., powd., bbls.....lb. .24 - —
kgs. ....lb. .24½- —
Tobias, bbls.....lb. .65 - —
Trichloracetic, bots.....lb. 2.45 - 2.90
Tungstic, CP, kgs.....lb. 2.45 - 2.70
tech., kgs.....lb. 1.50 - 1.60
Aconite leaves, bls.....lb. .22 - .24
Root, bls.....lb. .27 - .32
Aconitine, amerph., vis.....oz.17.00 - —
cryst., vis.....oz.30.00 - —
Adeps, lanae, anhyd., dms.....lb. .17½- .19
hyd., dms. ....lb. .16 - .18
Agar Agar, 1, bls.....lb. .72 - .73
2, bls.....lb. .65 - .66
3, bls.....lb. .55 - .56
Agaric, white, bls.....lb. 3.00 - 3.25
Albumen, blood, dark, flake, bgs., c.l., Chicago..lb. .12 - —
ton lots, Chicago.....lb. .13 - —
less than ton, Chicago..lb. .15 - .17
powd., bgs., c.l., Chicago..lb. .13 - —
ton lots, Chicago.....lb. .15 - —
less than ton, Chicago..lb. .17 - .20
light, dom., flake, grade 1, dms., Chicago...lb. .50 - .60
2, dms., Chicago.....lb. .46 - .50
import, bgs. ....lb. .50 - —
Egg, ed., dom., bbls.....lb. 1.05 - —
import, cs.....lb. .77 - .79
Milk, grd., sks., c.l.....ton. No stocks
ungrd., sks., c.l.....ton. No stocks
Vegetable ed., bbls., works..lb. .60 Nom.
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., dlvd..lb. .16 - —
l.c.l., dlvd. ....lb. .157 - —
tanks, dlvd. ....lb. .143 - —
secondary, dms., c.l., f.o.b. dest..lb. .09½- —
l.c.l. frt. alld.....lb. .10 - —
tanks, frt. alld.....lb. .08¼- —
Benzyl, bots. ....lb. .65 - 1.20
Butyl, normal, dms., c.l., frt. alld..lb. .10 - —
l.c.l., frt., alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
secondary, dms., c.l., f.o.b. dest..lb. .06½- —
l.c.l., f.o.b. dest.....lb. .08 - —
tanks, f.o.b. dest.....lb. .07½- —
tertiary, denating, dms., frt. alld..lb. .14 - —
Capryl, pure, dms., works...lb. 2.80 - —
tech., dms., works.....lb. .85 - —
Cetyl., dom., C.P., fiber, otns, 1,000 lbs..lb. 1.50 - —
500 lbs. ....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs. ....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms. ....lb. .95 - —
import., 95%, dms., 100 lbs.lb. .55 - —
5 to 10 lbs.....lb. .75 - —
com'l, dms., 350 lbs.....lb. .40 - —
Cinnamic, bots.....lb. 2.50 - 6.50
Denatured, CD11, 12, 13, dms., c.l., works, E., frt. equal.gal. .33 - —
20 dms., East.....gal. .35 - —
1-19 dms., East.....gal. .38 - —

Prices for territories other than E. of Rockies, 5c. per gal. higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., bbls., c.l., E. works..gal. .33 - —
19 bbls., E. works...gal. .55 - —
1 to 18 bbls., E. works, gal. .38 - —
dms., c.l., E. works....gal. .52 - —
19 dms., E. works...gal. .54 - —
1 to 18 dms., E. works, gal. .37 - —
tanks, E. works.....gal. .26 - —
Anhydrous, 5c. per gal. higher.
Special solvent, dms., c.l., E. works..gal. .33 - —
20 dms., E. works..gal. .35 - —
1 to 19 dms., E. works, gal. .38 - —
tanks, E. works.....gal. .27 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Acacia—Alumina Sulphate

Alcohol, diacetone, pure, contract, dms., c.l., frt. alld..lb. .18 - —
l.c.l., frt. alld.....lb. .18½- —
tech., contract, dms, c.l., frt. alld. ....lb. .17 - —
l.c.l., frt. alld.....lb. .17½- —
Ethyl, 190 pf., ex molasses, bbls., c.l. ....gal. 4.14 - —
19 bbls.....gal. 4.16 - —
1 to 18 bbls.....gal. 4.19 - —
dms., c.l. ....gal. 4.13 - —
19 dms.....gal. 4.16 - —
1 to 18 dms.....gal. 4.18 - —
tanks .....gal. 4.07 - —
absolute, dms.....gal. 4.54 - 4.60½
Grain alcohol 40c. per gal. higher.
Hexyl, secondary, dms., c.l., f.o.b. dest..lb. 1.35 - —
l.c.l., f.o.b. dest.....lb. .13 - —
tanks, f.o.b. dest.....lb. .115 - —
Isoamyl, primary, dms., l.c.l., dlvd. ....lb. .27 - —
cans, works .....lb. .23 - —
Isobutyl, refd., dms., c.l. works, frt. alld. E. of Rockies..lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .06½- —
Isopropyl, refd., 91%, dms., c.l., f.o.b. dest. or Miss. crossing .....gal. .85 - —
l.c.l., same terms....gal. .90 - .95
99%, dms., c.l., same terms. gal. .75 - —
l.c.l., same terms.....gal. .75 - —
denat. grd., dms., c.l., frt. alld..gal. .22 - —
l.c.l., ft. alld.....gal. .23 - —
Methyl (see Methanol)
Phenylethyl, bots. ....lb. 2.65 - 2.75
Propyl (see Isopropyl)
Aldehol, denat. grade, dms., tanks, works..gal. .70 - .80
Aldol, 95%, dms., c.l., works..lb. .21 - —
l.c.l., works.....lb. .25 - —
Aletris root, bgs.....lb. .80 - .81
Alizarin (see Red, alizarin)
Alkanet root, bgs.....lb. .10 - .11
Aloe, Barbados, true, cs.....lb. .25 - .30
Cape cs.....lb. .20 - .24
Curacao, cs.....lb. .21 - .25
gourds, bbls.....lb. .50 - .51
Socotrine, kgs.....lb. .25 - .30
Aloin, bbls., cns.....lb. 1.50 - 1.55
Alphanaphthol, bbls.....lb. .23 - .25
Alphanaphthylamine, bbls.....lb. .25 - .27
Althea root, cubs cut, bls.....lb. .26 - .27
Alum, ammonia, burnt, USP, bbls. lb. .16 - .17
gran., bbls., works....100 lbs. 2.75 - 3.00
dlvd. N.Y., Phila...100 lbs. 2.90 - —
lump, bbls., works.....100 lbs. 3.00 - 3.25
dlvd. N.Y., Phila...100 lbs. 3.15 - —
powd., bbls., works...100 lbs. 3.15 - 3.40
dlvd. N.Y., Phila...100 lbs. 3.30 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rate, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex-warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N.Y. prices apply to truck or ex warehouse.

Potash, gran., bbls., works.... 100 lbs. 2.60 - 2.75
dlvd. N.Y., Phila...100 lbs. 2.15 - —
lump, bbls., works.....100 lbs. 2.75 - 2.90
dlvd. N.Y., Phila...100 lbs. 2.40 - —
powd., bbls., works.....100 lbs. 2.40 - 2.57
dlvd. N.Y., Phila...100 lbs. 2.65 - —

Potash alum prices on same basis as those for ammonia alum.

Potash-chrome, bbls.....lb. .07 - .09½
Soda, bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, CP, 20% solut., bbls..lb. .09 - .10
Chloride, ankyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .05 - —
12,000 to 40,000 lbs., works..lb. .06 - —
1,100 to 11,000 lbs., works..lb. .07 - —
140 to 876 lbs., works.lb. .08 - —
100 lbs. or less, works.lb. .09 - —
cryst., com'l, dms., c.l., works lb. .06½- .07
solut., dms. works... ..lb .09 - .09½
Hydrate, heavy, bbls., 20 and over, works..lb. .04 - —
less than 20, works.....lb. .04½- —
light, bbls., dlvd.....lb. .13 - —
Oleate, dms., contr.....lb. .10½- —
open order.....lb. .17½- .18½
Palmitate, precip., bbls., ton.lb. .21 - —
smaller lots.....lb. .23 - —
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., otns., c.l..lb. .19 - —
l.c.l., ton.....lb. .20 - —
less than ton.....lb. .21 - —
Sulphate, Zone 1-2, com'l, bgs., c.l., works, frt. equald. 100 lbs. 1.35 - —
l.c.l., works, frt. equald.. 100 lbs. 1.60 - —
bbls., c.l., works, frt. equald. 100 lbs. 1.55 - —
l.c.l., works, frt. equald. 100 lbs. 1.80 - —
Iron-free, bgs., c.l., works, 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.25 - 2.60
truckload, dlvd. met. N.Y. 100 lbs. 2.45 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.55 - —
5 to 9, dlvd. met. N.Y.. 100 lbs. 2.80 - —
1 to 4, dlvd. met. N.Y. 100 lbs. 3.30 - —
bbls., c.l., works....100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.45 - 2.80
truckloads, dlvd., met.N.Y. 100 lbs. 2.60 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.75 - —
bbls., truckloads, 5 to 9, dlvd. met. N.Y..100 lbs. 3.00 - —
1 to 4, dlvd, met. N.Y. 100 lbs. 3.50 - —

Aluminum—Anthraquinone

Aluminum, 98-99%, dms., c.l...lb. .19 - .19½
l.c.l. .....lb. .20 - .21
Aluminum, powder, dry, lining, ext. fine, dms., 30,000 lbs.; f.o.b. ship. pt. (see note below) lb. .90 - —
3,000-30,000 lbs., same basis—lb. .92 - —
1,000-3,000 lbs., same basis—lb. .95 - —
less than 1,000 lbs., same basis..lb. 1.00 - —
standard, dms., 30,000 lbs., same basis..lb. .55 - —
3,000-30,000 lbs., same basis—lb. .57 - —
1,000-3,000 lbs., same basis—lb. .60 - —
less than 1,000 lbs., same basis..lb. .65 - —
litho. ext. brilnt., dms, 30,000 lbs., same basis .....lb. .41 - —
3,000-30,000 lbs., same basis—lb. .43 - —
1,000-3,000 lbs., same basis..lb. .46 - —
less than 1,000 lbs., same basis..lb. .51 - —
ext. fine, dms., 30,000 lbs., same basis..lb. .45 - —
3,000-30,000 lbs., same basis..lb. .47 - —
1,000-3,000 lbs., same basis..lb. .50 - —
less than 1,000 lbs., same basis..lb. .55 - —
standard, dms., 30,000 lbs., same basis..lb. .40 - —
3,000-30,000 ba., same basis..lb. .42 - —
Aluminum, powd., dry., litho, standard, dms., 1,000-3,000 lbs., same basis, lb. .43 - —
less than 1,000 lbs., same basis..lb. .50 - —
wallpaper, dms., 30,000 lbs., same basis..lb. .40 - —
3,000-30,000 lbs., same basis..lb. .42 - —
1,000-3,000 lbs., same basis..lb. .45 - —
less than 1,000 lbs., same basis..lb. .50 - —
rubber comp., dms., 30,000 lbs., same basis..lb. .39 - —
3,000-30,000 lbs., same basis..lb. .41 - —
1,000-3,000 lbs., same basis..lb. .44 - —
less than 1,000 lbs., same basis..lb. .49 - —
unpolished, standard, dms., 30,000 lbs., same basis .....lb. .35 - —
3,000-30,000 lbs., same basis..lb. .37 - —
1,000-3,000 lbs., same basis..lb. .40 - —
less than 1,000 lbs., same basis..lb. .45 - —
varnish, ext. brilliant, dms., 30,000 lbs., same basis .....lb. .41 - —
3,000-30,000 lbs., same basis..lb. .43 - —
1,000-3,000 lbs., same basis..lb. .46 - —
less than 1,000 lbs., same basis..lb. .51 - —
ext. fine, dms., 30,000 lbs., same basis..lb. .45 - —
3,000-30,000 lbs., same basis..lb. .47 - —
Aluminum, powd., dry, varnish, ext. fine, dms., 1,000-3,000 lbs., same basis, lb. .50 - —
less than 1,000 lbs., same basis..lb. .55 - —
standard, dms., 30,000 lbs., same basis..lb. .40 - —
3,000-30,000 lbs., same basis..lb. .42 - —
1,000-3,000 lbs., same basis..lb. .45 - —
less than 1,000 lbs., same basis..lb. .50 - —
paste, fine, lining, dms., 30,000 lbs., same basis lb. .65 - —
3,000-30,000 lbs., same basis..lb. .67 - —
1,000-3,000 lbs., same basis..lb. .70 - —
less than 1,000 lbs., same basis..lb. .75 - —
extra dms., 30,000 lbs., same basis..lb. .70 - —
3,000-30,000 lbs., same basis..lb. .72 - —
1,000-3,000 lbs., same basis..lb. .75 - —
less than 1,000 lbs., same basis..lb. .80 - —
ink, dms., 30,000 lbs., same basis..lb. .50 - —
3,000-30,000 lbs, same basis..lb. .52 - —
1,000-3,000 lbs, same basis..lb. .55 - —
less than 1,000 lbs., same basis..lb. .60 - —
ink, dms., 30,000 lbs., same basis..lb. .75 - —
3,000-30,000 lbs., same basis..lb. .77 - —
Aluminum, powder, paste, ink, dms., 1,000-3,000 lbs., same basis..lb. .80 - —
less than 1,000 lbs., same basis..lb. .85 - —
standard, dms., 30,000 lbs., same basis..lb. .43 - —
3,000-30,000 lbs., same basis..lbs. .45 - —
1,000-3,000 lbs., same basis..lb. .48 - —
less than 1,000 lbs., same basis..lb. .53 - —

Aluminum powder and paste, in single shipments are deductible as follows: 2,000 lbs., 1c. per lb. from 3,000-30,000 lb. prices; 5,000 lbs., ½c. from 30,000 lb. prices; 10,000 lbs., 1c. per lb. from 30,000 lb. prices; 25,000 lbs., 2c. per lb. from 30,000 lb. prices. Deduction equivalent to full freight rate allowed in quantities of 200 lbs. or over, where shipping point and destination are both E. of Miss. river; where destination is W. of Miss., but shipping point is E., deduction will be equivalent to the full freight rate only to the Miss. river; shipments ex whse. W. of Miss. net subject to freight allowance. Deliveries ex whse. extra as follows:—Chicago, Cleveland, Detroit, St. Louis, ¼c.; Houston, Kansas City, ⅜c.; Los Angeles, Portland, San Francisco and Seattle, 1c.; Dallas, Tulsa, ⅜c.; Denver, 2c.

Ambergris, gray, tins.....oz. 22.00 - 35.00
Amidopyrene, cs.....lb. 4.00 - 4.10
Ammonia, anhyd., fertilizer, tanks (80,000 lbs.) works....lb. .04½- —
refrigeration, tanks, works..lb. .05½- —
pure, cyls., divd., met. N.Y. lb. .16 - .20

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Ammonia acetate, kgs.....lb. .26 - .33
Aldehyde, dms.....lbs. .65 - .70
Aqua, 26°, cbys.....lb. .05½- —
dms., c.l.....lb. .02½- —
l.c.l. .....lb. .03½- —
tanks (on NH_3 content)..lb. .05 - .05¼
tankwagons .....lb. .024 - —
Benzoate, dms., 4,000 lbs. or more..lb. .41 - .42
1,000 lbs. to 3,900 lbs....lb. .42 - .46
900 lbs. or less.....lb. .45 - .46
kgs., 4,000 lbs. or more...lb. .40 - —
1,000 lbs. to 3,900 lbs...lb. .41 - —
900 lbs. or less.....lb. .44 - —
Bicarbonate, bbls., c.l., works, 100 lbs. 5.15 - —
l.c.l., divd. N. Y....100 lbs. 5.71 - —
Bifluoride, bbls.....lb. .16 - .18
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - .36
Carbonate, tech., dom., bbls.lb. .06 - .12½
imported, cks.....lb. .08 - .12½
USP, lump, bbls.....lb. .06 - .09
cks .....lb. .07 - —
powd., bbls.....lb. .09 - .10
Chloride, tech. (see Ammoniac, sal)
USP, gran., bbls.....lb. .12½- .13
Citrate, kgs.....lb. .80 - .86
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, bbls.....lb. 1.10 - 1.15
Iodide, jars.....lb. 3.40 - 3.45
Laurate, bbls.....lb. .10 - —
Linoleate, 50%, anhyd., bbls.lb. .11 - —
Naphthenate, bbls.....lb. .11 - —
Nitrate, tech., cks.....lb. .04 Nom.
Oleate, bbls.....lb. .10 - —
Oxalate, neutral, cryst., powd., bbls..lb. .26 - .27
pure, cryst., bbls., kgs....lb. .27 - .28
Perchlorate, kgs.....lb. .19 - —
Persulphate, kgs.....lb. .21 - .23½
Phosphate, dibasic, NF, bbls.lb. .34 - .36
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
monobasic, pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
Ricinoleate, bbls.....lb. .15 - —
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Sulphate, dom., bulk, c.l., Dec.-June dlvy., dlvd., Ill., Ind., Mich., Ohio..ton. 24.00 - —
f.o.b. cars, Atlantic, Gulf ports..ton. 26.00 - —
Birmingham, Ala. ovens..ton. 26.00 - —
Northern ovens..ton. 24.00 - —
barge lots, Sparrows Point, Md., Brooklyn, N. Y..ton. 25.00 - —
dbl. bxs., export, f.a.s. N.Y., ton. No prices
Sulphide, liquid, dms.....lb. .15 - —
tanks .....lb. .13 - —
Sulphocyanide, kgs.....lb. .55 - —
Ammoniac, gum (see Gum, ammoniac).
Sal, gray, dom., bbls, c.l. 100 lbs. 5.00 - 5.25
l.c.l. .....100 lbs. 5.50 - 5.75
import, gran., cases.....lb. .05½- .06
lump, bbls.....lb. .10½- .12
white, gran., dom., bbls., contracts, works..100 lbs. 4.45 - 5.05
imports., cases ...100 lbs. 4.45 - 5.05
Amyl acetate, ex fusel oil, dms., c.l., works..lb. .12 - .13
l.c.l., frt. alld.....lb. .12½- .13½
tanks, works.....lb. .11 - .13
ex pentane, dms., c.l., divd, lb. .142 - —
l.c.l., divd.....lb. .140 - —
tanks, divd.....lb. .125 - —
secondary, dms., c.l. f.o.b. dest..lb. .09½- —
l.c.l., f.o.b. dest.....lb. .10 - —
tanks, f.o.b. dest.....lb. .08½- —
Alcohol (see Alcohol, amyl).
Butyrate, bots.....lb. .90 - 1.00
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
Chlorides, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07½ - —
tanks, works.....lb. .06 - —
Mercaptan, dms., l.c.l., works.lb. 1.10 - —
Nitrite, bots.....lb. 1.80 - 1.85
Oleate, dms., l.c.l., works...lb. .35 - —
Salicylate, cans.....lb. .95 - 1.00
Stearate, dms., l.c.l. works..lb. .30 - —
Amylene, dms, c.l.....lb. .102 - —
l.c.l. .....lb. .11 - —
tanks .....lb. .09 - —
Anethol, bots.....lb. 1.05 - 1.10
Angelica root, dom., bls.....lb. .22 - .25
import, natural, bls.....lb. .40 - .42
twisted, bls.....lb. .50 - .52
Angostura bark, bls.....lb. .25 - .30
Anilin oil, dms.....lb. .16½- .17½
tanks .....lb. .15 - —
Salt, dms., works.....lb. .22 - .24
Anise, Russian, bgs.....lb. .09½- .11
Spanish, bgs.....lb. .14 - .15
Star, bgs.....lb. .12 - .13
Anisic aldehyde, bots.....lb. 2.15 - 2.20
Annatto paste, bxs.....lb. .34 - .37
Seed, bxs.....lb. .07 - .08
Anthraquinone, 99.5%, subl., bbls. lb. .80 - .83

UNIFORM QUALITY

Many of the present customers of Pennsylvania Salt Manufacturing Company opened accounts far back in the 86 years of its existence . . . and the newer ones also continue ordering because they find they receive chemical products that are uniformly superior.

These Keystone Brand products are, for instance:

Acid
Acid Phosphate
Alumina Hydrate
Alum
Ammonia, Anhydrous & Aqua
Ammonium Persulphate
Bleaching Powder (standard strength)
Carbon Bisulphide
Carbon Tetrachloride
Caustic Soda
Chlorine
Ferric Chloride, Liquid
Kryolith (natural Greenland)
Penchlor Acid-Proof Cement
Perchloron (Supertest Calcium Hypochlorite)
Salt
Soda Ash
Sodium Aluminate
Sodium Bicarbonate
Sodium Orthosilicate, Anhydrous
Sulphate of Alumina

Write for quotations

PENNSYLVANIA SALT MANUFACTURING COMPANY
EST. 1850
EXECUTIVE OFFICES, WIDENER BLDG., PHILADELPHIA, PA.
BRANCH SALES OFFICES: NEW YORK · CHICAGO · ST. LOUIS · PITTSBURGH · TACOMA · WYANDOTTE

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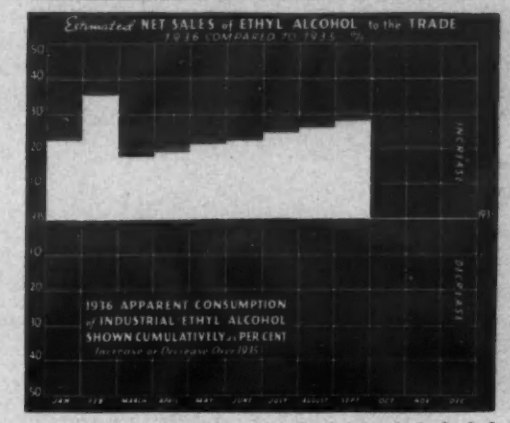
SOLVENT NEWS

Reg. U. S. Pat. Off.

December ★ A Monthly Series of Articles for Chemists and Executives of the Solvent-Consuming Industries ★ 1936



Apparent consumption of industrial ethyl alcohol from Jan. 1 to Sept. 31, 1936 was 44,578,000 wine gallons. This is 27.5 per cent greater than during the same period in 1935 when 34,956,000 wine gallons were consumed.

PASTEL SHADES PROMINENT ON '37 CARS AT AUTO SHOW

Mecca for new car buyers, the 1936 National Auto Show opened at Grand Central Palace, New York, on November 11th, amid the fanfare of increased buying activity. Again streamlining continued to have a major influence on color trends.

Luxurious pastel shades found greater acceptance than heretofore, although a number of higher-priced cars in the "chauffeur class" were shown in black. The metallic iridescent finishes, so popular at the 1935 show, appeared to have lost some ground. Body stripings and secondary colors were less in evidence, manufacturers inclining to greater use of cleverly styled chromium plating and monotone color effects in their place. Even disc wheels exhibited larger areas of metallic plating.

STUDY EFFECT OF OXALIC ACID ON SHELLAC SOLUTIONS

Further studies on the action of oxalic acid in retarding the darkening of shellac solutions in metallic containers have apparently established a relationship between the electric conductivity of such solutions and the amount of oxalic acid to be used.

Experiments on 20 per cent solutions of TN shellac in 98 per cent alcohol led to the observation that for a certain oxalic acid concentration, (usually between 0.04 per cent and 0.2 per cent) there was a conductivity minimum.

No direct relationship between darkening and the point of minimum conductivity was noted. However, it seemed apparent that the maximum bleaching effect of oxalic acid very nearly coincided with the point of minimum conductivity. In actual practice this would mean that concentrations of oxalic acid below 0.25 per cent are the optimum amounts to be used.

By way of explaining the observed phenomena, it has been suggested that ionization of the dissolved calcium and iron salts imparts a certain conductivity to the shellac solution. Adding oxalic acid precipitates these salts as insoluble oxalates and the conductivity is decreased upon addition of the optimum quantity of acid.

NITROCELLULOSE LACQUERS MAKE NEW GAINS IN RUBBER INDUSTRY

Changes in Rubber Compounding Technic Increase the Demand for "Tailor-Made" Lacquers

New achievements high-light the progress of lacquers in the rubber field. A lacquer film which will stretch 200-300 per cent was introduced to the rubber industry some months ago. Lacquer coated cables which will stand immersion in a bath of hot oil for forty hours at 220° F. and then bend around a one-half inch mandrel without cracking the finish are commercial products. From children's alphabet blocks to hot water bottles and galoshes, lacquers are important factors in marketing rubber products.

The use of lacquers in rubber is not new. For many years this type of coating has been recognized as a first line of defense against oxidation, dirt, water, gasoline, oils, and electrical corona. Beside their protective functions, colored lacquers have the obvious merit of glossing over and brightening drab-colored rubber stocks such as dolls. Rubber coated textiles are more pleasant to touch because of the smooth, non-tacky finish provided by the lacquer. To a large extent, the popularity of nitrocellulose lacquer in this field is due to its quick-drying and wide adaptability.

Unique Requirements

Many special requirements were presented; lacquers had to be "tailor-made." A lacquer perfectly satisfactory for the most flexible sheet of metal was far too brittle and non-extensible for rubber. Wetting of the rubber itself and subsequent adhesion of the lacquer film are major problems. But by far more unique to the use of lacquers in this field, are

(Continued on next page)

VICE-PRES. BACKUS MARKS HIS 20TH YEAR WITH U. S. I.

Arthur A. Backus, Vice-President in charge of Production of the U. S. Industrial Alcohol Co. and the U. S. Industrial Chemical Co., Inc. has just completed his twentieth consecutive year of service with U. S. I.

Beginning as research chemist, he became in turn, Research Director, Production Manager and Vice-President in Charge of Production.

Among the developments to which Mr. Backus has contributed is the process for producing esters from dilute acids (e. g., ethyl acetate from vinegar). The purification of Carbon Dioxide from fermentation of molasses occupied his early efforts to find uses for the by-products of alcohol manufacture. As a result of his endeavors this gas is now widely used in carbonated beverages.

He has been responsible for many innovations and improvements in the design of distillation equipment. During the past three years he has directed an extensive program of plant rehabilitation and modernization for U. S. I.

Pictures, Inc.

FLESH-COLORED LACQUER is sprayed on doll heads as shown above. The rosy cheeks of the doll are produced by spot touching the cheeks with a bright red lacquer previous to applying the flesh coat. This spot lacquer bleeds through to produce the desired shade. Eyebrows and lips are hand painted. Above is one of the spray booths at the Long Island City plant of the Ideal Novelty & Toy Co.

ADVERTISEMENT—*This entire page is a paid advertisement.*

DECEMBER ★ **SOLVENT NEWS** ★ 1936

BY-PRODUCT SOLVENT OILS FROM COKE SHOW PROMISE

High-boiling oils reported to possess excellent solvent properties have been recovered from residues of by-product coke plants. It is stated that the oils, largely aromatic hydrocarbons, can be produced in large quantities at low cost. They are solvents for rosin, resinates, many natural gums, synthetic resins, rubber and chlorinated rubber.

These oils are said to have the following characteristics: Boiling range: between 180° C. and 375° C. Specific gravity: 0.950 to 1.030 at 15.5° C. Corrosion: negative by copper strip test. Acid number: 0.1. They are miscible with most of the commercial organic solvents and are not affected by water, lime, alkalies, or dilute acids.

Possible applications for the new oils include such fields as paint, varnish and lacquer manufacture, wood preservatives, insecticides and fungicides, cleaning agents, floorings, and asphalt.

LACQUERS GAIN IN RUBBER FIELD

(Continued from preceding page)

requirements for resistance to the ingredients used in rubber items.

It is common practice to apply lacquers to many rubber articles before vulcanization, since there is often a gain in adhesion when this is done. This involves coating rubber which may be compounded with such diverse chemicals as sulphur, stearic acid, hydrocarbon softeners, pigments, and organic accelerators and anti-oxidants. Vulcanization may be under steam pressure at temperatures from 240° to 250° F. Under these conditions certain compounding ingredients may bloom out of the rubber with adverse effects on the lacquer.

Needless to say, the conventional nitrocellulose lacquer will not meet these requirements. Nitrocellulose tends to break down above 200° F. and plasticizers may be decomposed or driven off. Yet by proper formulation, nitrocellulose lacquers have been developed to meet these and tests even more severe. Nitrocellulose coated cables are now so made that when ignited they will extinguish themselves.

Formulation of lacquers which allow for unusual stretch has been effected by a clever compromise. Lacquer films are made to crack with invisible hairlines so that the lacquer between these microscopic breaks lies perfectly flat and retains good adhesion. Thus have been developed films which possess the characteristics necessary to compensate for the great disparity between the elasticity of the rubber and the film itself.

Application of lacquers to rubber is by dipping, brushing, spreading or spraying either before or after vulcanization. The kind of article, size and shape determine the method.

The perfect lacquer for rubber has not yet been produced and changes in rubber compounding practice herald the need for new lacquers. Still other types of rubber articles could utilize lacquer, leading up to a potentially greater field.

Railroads Use Super Pyro To Protect Air Cylinders

Railroad travel is made safer during the winter season through the use of Super Pyro. Last winter a number of Eastern railroads applied a quart of U. S. I.'s money-saving anti-freeze to locomotive air reverse cylinders and valves which have a tendency to "freeze-up" in cold weather. Just as in automobiles, this application of Super Pyro calls upon its ability to prevent rust and corrosion as well as to provide anti-freeze protection.

Standard practice is to blow out the Super Pyro after every ten hours of use, since moisture from the compressed air dilutes the alcohol. Loss due to operation of the gear also makes regular replacement necessary.

Transparent covering has been applied to such unrelated products as citrus fruits, cigarettes, tools and photographs by a cold dip process developed recently. The discoverer states that it may be colored, is waterproof and transparent, and can possibly be made fireproof.

Rolf Stein of Honeywill & Stein, Ltd., selling organization for Great Britain's largest alcohol and solvent producers, has just completed a two-month visit to this country. At the end of his stay, during which he visited the Baltimore plant of U. S. I., Mr. Stein said that British chemists should visit the United States more often to keep abreast with the latest developments.

TECHNICAL DEVELOPMENTS

The items in this column are gathered from many varied sources. Further information may be obtained by writing to U. S. I.

U S I

Collapsible tubes which require no screw caps or other closures are on the market. Materials which may use the new package include: colors in oil, japan driers, putties, plastic compositions and wood fillers. The neck of the tube is sealed by a slotted flexible diaphragm. Pressure on the tube causes the slot to open and the contents to flow out.

U S I

Rubber can be vulcanized direct to metal by a new simplified process recently developed. Flexible rubber-metal couplings, non-skid wheels, power pulleys and rolls are some of the forms which have been developed.

U S I

A 2-dip solvent degreasing machine for both immersion and vapor cleaning has recently been placed on the market. The work to be cleaned is usually immersed in a boiling chamber first, then cooled in a clean solvent rinse and finally suspended for a few seconds in pure solvent vapors.

U S I

A protective coating formulated with minute flakes of metallic copper in a liquid vehicle has been marketed. It is said to dry to a coating of pure metallic copper that is corrosion-proof, water-proof and fire resisting. The manufacturer states that it can be applied to metal, wood and concrete.

U S I

Photographs may be printed directly on such surfaces as rubber, fabrics and leather by a new process, according to reports. The results are said to be permanent and washable.

U S I

A process for casting rubber into various useful forms has been introduced into this country from England. A highly concentrated form of latex is mixed with a setting chemical and almost any compounding ingredients such as dyes, pigments, anti-oxidants and vulcanizing agents.

U S I

Measurement of both diffused and refracted light is the feature of a new photo-electric cell. The instrument, which is portable, may be applied directly to an enameled or lacquered surface. Readings can be made in absolute or comparative units.

Charts illustrating a simple method for determining the contents of 54-gal. drums by stick measurements may be secured by writing to U. S. I.

U.S. INDUSTRIAL ALCOHOL CO.
INDUSTRIAL CHEMICAL CO., INC.

WORLD'S LARGEST PRODUCERS OF ALCOHOL DERIVED SOLVENTS

ALCOHOLS
Amyl Alcohols
Refined Amyl Alcohol
Refined Fusel Oil
Secondary Amyl Alcohol
Ethyl Alcohols
Specially Denatured—All Formulas
Completely Denatured—All Formulas
Anhydrous—Denatured
Absolute—Pure
C.P. 96%—Pure and Denatured
Solox—The General Solvent
Super Pyro—The Rustproof Anti-freeze
Pure (190) Proof—Tax Paid, Tax Free

ALCOHOLS
Butyl Alcohols
Normal and Secondary
Methyl Alcohol

ANSOLS
Ansol M
Ansol PR

ETHERS
Ethyl Ether
U.S.P. and Absolute (A.C.S.)

NITROCELLULOSE SOLUTIONS
Collodions
U.S.P., U.S.P. Flexible and Photo
Cotton Solutions

ESTER SOLVENTS
Acetic Ether
Amyl Acetates
High Test
Commercial
Technical
Secondary
Amyl Propionate
Butyl Acetates
Normal and Secondary
Diatol
Diethyl Carbonate
Estersols
Ethyl Acetates
85-88%, 99%, and U.S.P.
Ethyl Lactate

PLASTICIZERS
Diamyl Phthalate
Dibutyl Phthalate
Diethyl Phthalate
Dimethyl Phthalate

OTHER PRODUCTS
Acetoacetanilid
Ethyl Acetoacetate
Ethyl Chlorcarbonate
Ethyl Oxalate
Ethylene
Sodium Oxalacetate
Acetone
Methyl Acetone
Curbay Binder
Potash By-products

Executive Offices: 60 East 42nd Street, New York, N. Y. Branches in all Principal Cities

Antimony, butter (see Antimony chloride).			
Chloride, solut., chys.	lb.	.17	- —
Metal, dom.	lb.	.12½	- —
import., c.i.f., duty paid	lb.	.13½	- —
Needle, powd., bbls.	lb.	.11½	- .12
Oxide, dom., bbls., c.l.	lb.	.13½	- .19
l.c.l.	lb.	.15½	- —
import, bbls.	lb.	.13½	- —
Salts, 65%, kgs.	lb.	.23	- .28
Sulphuret, golden, bbls.	lb.	.23	- .28
White pigment, bgs., Texas works, frt. alld. to ¼c. lb. c.l.	lb.	.18½	- .19¼
Antipyrene, cns., ton lots	lb.	2.00	- —
smaller lots	lb.	2.10	- 2.15
Apomorphine, cns.	oz.	28.70	-29.00
Archil extract, conc., bbls.	lb.	.21	- .27
double, bbls.	lb.	.18	- .20
triple, bbls.	lb.	.19	- .20
Areca nuts, powd., bbls.	lb.	.11	- .12
Arecoline hydrobromide, bots., vis.	oz.	6.25	- 6.50
Argols, crude, 30%, cake	lb.	.07	- .08
80-85%, cake	lb.	.14	- .15
Arnica flowers, bls.	lb.	.20	- .23
Root, bls.	lb.	.38	- .40
Arrowroot, St. Vincent, powd., bgs.	lb.	.06¾	- 09¾
bbls.	lb.	.06½	- .09
Arsenic iodide (arsenous), bots., jars	lb.	5.15	- 5.20
Metal, lump, cs.	lb.	.42	- .46
Red, import., cs.	lb.	.15¾	- .16¼
Trioxide (see Acid, arsenous).			
White, powd., kgs. c.l.	lb.	.03½	- —
l.c.l.	lb.	.04½	- —
Japanese, cs.	lb.	.03¾	- .04¼
Arsenous chloride, liq., bot.	lb.	1.85	- —
Asafetida, cs.	lb.	.18	- .19
powd., bbls., bxs.	lb.	.32	- .35
Asbestine (see Talc. N. Y. fibrous).			
Asbestos fiber, 6M, bgs., c.l. (20 tons), Canad. mines	ton.	87.50	- —
5R, bgs., c.l. (20 tons), Canad. mines	ton.	35.00	- —
6D, bgs., c.l. (30 tons), Canad. mines	ton.	27.00	- —
7D, bgs., c.l. (30 tons), Canad. mines	ton.	23.00	- —
7F, bgs., c.l. (30 tons), Canad. mines	ton.	21.00	- —
7H, bgs., c.l. (30 tons), Canad. mines	ton.	17.00	- —
7K, bgs., c.l. (30 tons), Canad. mines	ton.	14.50	- —
7M, bgs., c.l. (30 tons), Canad. mines	ton.	12.00	- —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y.	lb.	.02½	- —
smaller lots, f.o.b. N.Y.	lb.	.03½	- —
AA, bgs., 20 tons, f.o.b. N. Y.	lb.	.03½	- —
smaller lots, f.o.b. N. Y.	lb.	.10½	- —
California, dms., c.l., f.o.b. N.Y.	ton.	20.00	- —
l.c.l., f.o.b. N. Y.	ton.	36.50	- —
Cuban, A., bgs., c.l., f.o.b. N.Y.	ton.	60.00	- —
l.c.l., f.o.b. N.Y.	ton.	90.00	- —
B, bgs., c.l., f.o.b. N.Y.	ton.	35.00	- —
l.c.l., f.o.b. N.Y.	ton.	55.00	- —
Egyptian, bgs., c.l., f.o.b. N.Y.	lb.	.12	- —
l.c.l., f.o.b. N.Y.	lb.	.15	- —
Gilsonite, brilliant black, bgs. c.l., Colo. points	ton.	32.00	- —
seconds, bgs., c.l., Colo. points	ton.	25.50	- —
selects, bgs., c.l., Colo., Utah points	ton.	30.50	- —
l.c.l., f.o.b., or N.J. or N.Y., whse.	ton.	49.50	- —
Maltha, dms., c.l., f.o.b. N.Y.	ton.	29.00	- —
l.c.l., f.o.b. N.Y.	ton.	36.50	- —
Manjak (see Asphaltum, Barbados).			
Mexican, Texas, dms., c.l., refinery	ton.	19.00	- —
l.c.l., refinery	ton.	21.00	- —
tanks, refinery	ton.	16.00	- —
Petroleum cut-back, bbls., l.c.l., refinery	gal.	.13	- —
dms., c.l., refinery	gal.	.12	- —
tanks, Calif., refinery	gal.	.05	1/2- —
East Coast, Ill., Ind. refinery	gal.	.06½	- —
N. Orleans refinery	gal.	.06	- —
Wyo., refinery	gal.	.07½	- —
Atropine, vis.	oz.	5.25	- 5.50
Sulphate, vis.	oz.	2.25	- 2.35

B

Balm of Gilead buds, bgs.	lb.	.21	- .23
Barberry bark, bgs.	lb.	.10	- .11
Root bark, bls.	lb.	.16	- .17
Barbital, cs.	lb.	3.25	- 3.30
Barium carbonate, natural, 90%, grd., bgs., c.l., works,	ton.	42.00	- —
99% 200 mesh, bgs., c.l., works	ton.	45.00	- —
precip., bgs., bbls., c.l., works,	ton.	52.50	-57.50
l.c.l., works	ton.	57.50	-62.50
sulphur-free, bgs., bbls., c.l., works	ton.	57.50	-62.50
Chlorate, kgs.	lb.	.15½	- .17½
Chloride, CP., cryst., bbls.	lb.	.18	- .20
tech., dom., cryst., bbls., bgs., c.l., Zone 1, dlvd. New England States, N. Y., N. J., Pa., Md., Dela., Va., West Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Arkansas line	ton.	72.00	-74.00
l.c.l., same basis	ton.	85.00	-87.00
Zone 2, bgs., bbls., c.l., dlvd. Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla.	ton.	76.00	-78.00
l.c.l., same basis	ton.	89.00	-91.00
Zone 3, bgs., bbls., c.l., dlvd. Minn., Ia., Mo., Tex., Mont., Wyo., Col., N. Mex., Idaho, Utah, Ariz.,	ton.	82.00	-84.00
l.c.l., same basis	ton.	95.00	-97.00
Zone 4, bgs., bbls., c.l., dlvd. Wash., Ore., Calif., Nev.	ton.	78.00	-80.00
l.c.l., same basis	ton.	91.00	-93.00
Dioxide, dms.	lb.	.11	- .15
Fluoride, bbls.	lb.	.15	- .16
Fluosilicate, bbls.	lb.	.15	- .16
Hydrate (see Hydroxide).			
Hydroxide, bbls.	lb.	.05¼	- .07½
Iodide, bots.	lb.	4.40	- 4.45
Monoxide (see Oxide).			
Nitrate, cks.	lb.	.07	- .08¼
Oxide, dms.	lb.	.11	- .15
Peroxide (see Dioxide).			
Sulphate, tech. (see Barytes and blanc fixe).			
X-ray, bbls.	lb.	.12	- —

Barytes, dom., floated, bbls., c.l., St. Louis	ton.	23.65	- —
l.c.l., ex whse., Boston	ton.	36.00	- —
Chicago	ton.	29.25	- —
Cleveland	ton.	33.50	- —
New York	ton.	32.00	- —
paper bgs., c.l., St. Louis	ton.	23.85	- —
l.c.l., ex car, Baltimore	ton.	29.70	- —
Boston	ton.	31.70	- —
Philadelphia	ton.	30.50	- —
ex. whse., Baltimore	ton.	32.10	- —
Boston	ton.	35.20	- —
Chicago	ton.	30.25	- —
Cleveland	ton.	33.00	- —
Detroit	ton.	33.00	- —
Kansas City	ton.	30.25	- —
Los Angeles	ton.	42.00	- —
New York	ton.	31.50	- —
Philadelphia	ton.	31.90	- —
San Francisco	ton.	42.00	- —
Toronto	ton.	39.20	- —
Southern off color, bulk, mines	ton.	12.00	- —
96.75%, bulk, mines	ton.	14.00	- —
German, grd., bbls., c.l., ex dock, t.a.	ton.	35.00	-36.00
l.c.l., ex whse.	ton.	30.00	- —
ungrd., bulk, c.l., ex dock,	ton.	13.00	-14.00
Italian, grd., bbls., c.l., ex dock, t.a.	ton.	29.50	Nom.
l.c.l., ex whse.	ton.	32.50	- —
Bauxite, bulk, mines	ton.	7.00	-10.00
Bay leaves (see Laurel leaves).			
Bay rum, import., bbls.	gal.	.70	- .75
Bayberry bark, bgs.	lb.	.07½	- .09
Belladonna leaves, bls.	lb.	.14	- .15
Root, bls.	lb.	.11	- .12
Bentonite, 1, 99% 300 mesh, bgs., Wyo. works	ton.	16.00	- —
2, 92%, 200 mesh, bgs., Wyo., works	ton.	11.00	- —
Benzaldehyde, tech., dms.	lb.	.60	- .62
USP, IX, dms.	lb.	1.40	- 1.20
USP, X, dms.	lb.	1.30	- 1.35

Benzene (see benzol)			
Benzidin base, bbls.	lb.	.72	- .74
Benzol, 90%, nitration, pure, dms, works	gal.	.21	- —
tankcars, frt. alld. E. of Omaha	gal.	.16	- —
Benzol tankcar prices, West, f.o.b. sellers' works.			
Benzoyl chloride, dms.	lb.	.42	- .45
Peroxide, cns., works	lb.	1.85	Nom.
Benzyl acetate, f.f.c., bots.	lb.	.85	- 1.00
Alcohol (see Alcohol, benzyl).			
Benzoate, a.m.a., f.f.c., tins	lb.	.90	- 1.35
Chloride, 95-97%, recd., dms.	lb.	.30	- .40
tech., dms.	lb.	.25	- .28
Formate, cns.	lb.	2.75	- 3.50
Benzylidin acetone, bots.	lb.	2.35	- 3.50
Berberine bisulphate, bots.	lb.	13.00	- —
Hydrochloride, bots.	lb.	13.00	- —
Sulphate, bots.	lb.	14.75	- —
Berberis root, bls.	lb.	.10	- .11
Betanaphthol, sublim., bbls.	lb.	.55	- —
tech., bbls., c.l., works	lb.	.23	- —
l.c.l., bbls., works	lb.	.24	- —
Benzoate, bxs., kgs.	lb.	2.40	- 2.60
Betanaphthylamine, tech., kgs.	lb.	.51	- —
Beth root, bls.	lb.	.10	- .11
Bismuth, chloride, bxs.	lb.	3.20	- 3.25
Citrate, USP, VIII, bxs.	lb.	2.65	- 2.70
Hydroxide, bxs.	lb.	3.15	- 3.30
Metal, ton lots	lb.	1.00	- —
Nitrate, cryst., jars	lb.	1.20	- 1.25
Oxychloride, bxs.	lb.	2.95	- 3.00
Subbenzoate, bxs.	lb.	3.25	- 3.30
Subcarbonate, fib. dms.	lb.	1.40	- 1.45
X-ray, bots., fib. dms.	lb.	2.60	- 2.65
Subgallate, bbls.	lb.	1.50	- 1.55
Subiodide, bots.	lb.	3.88	- 3.98
Subnitrate, powd., bots., fib. dms.	lb.	1.30	- 1.35
Subsalicylate, 62-66%, bbls.	lb.	2.35	- 2.40
Sulphocarbolate, bots.	lb.	3.00	- 3.05
Trioxide, powd., bxs.	lb.	3.45	- 3.50

Antimony—Black, Carbon

Bismuth-ammonia citrate, USP, powd., cns.	lb.	3.00	- 3.20
Bismuth-betanaphthol, bxs.	lb.	3.05	- 3.10
Black, bone, 1A, bbls., bgs., c.l., frt. alld. E.	lb.	.12	- —
l.c.l., frt. alld. E.	lb.	.15½	- —
1, bbls., bgs., c.l., frt. alld. E.	lb.	.11½	- —
l.c.l., frt. alld. E.	lb.	.12	- —
2, bbls., bgs., c.l., frt. alld. E.	lb.	.09½	- —
l.c.l., frt. alld. E.	lb.	.10	- —
3, bbls., bgs., c.l., frt. alld. E.	lb.	.08½	- —
l.c.l., frt. alld. E.	lb.	.09	- —
4, bbls., bgs., c.l., frt. alld. E.	lb.	.07½	- —
l.c.l., frt. alld. E.	lb.	.08	- —
5, bbls., bgs., c.l., frt. alld. E.	lb.	.06½	- —
l.c.l., frt. alld. E.	lb.	.07	- —
6, bbls., bgs., c.l., frt. alld. E.	lb.	.05½	- —
l.c.l., frt. alld. E.	lb.	.06	- —
7, bbls., bgs., c.l., frt. alld. E.	lb.	.03	- —
l.c.l., frt. alld. E.	lb.	.03½	- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.			
Carbon, special, 1, bgs., c.l., works	lb.	.05	- —
l.c.l., dlvd.	lb.	.07½	- —
ctns., l.c.l., dlvd.	lb.	.08½	- —
cs., l.c.l., dlvd.	lb.	.09	- —
2, bgs., c.l., works	lb.	.08½	- —
l.c.l., dlvd.	lb.	.10½	- —
cs., l.c.l., dlvd.	lb.	.12	- —
3, bgs., c.l., works	lb.	.13	- —
l.c.l., dlvd.	lb.	.14½	- —
cs., l.c.l., dlvd.	lb.	.16½	- —
4, bgs., c.l., works	lb.	.27½	- —
l.c.l., dlvd.	lb.	.30	- —
cs., c.l., works	lb.	.29	- —
l.c.l., dlvd.	lb.	.32	- —

ANNOUNCING

Witco Carbon Company

OFFICERS:

President	Robert I. Wishnick
Vice-President	W. H. Ferguson
Vice-President	H. C. Fownes II
Vice-President	Joseph J. Tumpeer
Secretary	Ulysses S. Schwartz
Assistant Secretary	G. F. Smith
Assistant Secretary	H. B. Seligman
Treasurer	Robert T. Wilson
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Clyde Alexander — Ulysses S. Schwartz
W. H. Ferguson — G. F. Smith
H. C. Fownes II — I. Harrison Tumpeer
Joseph J. Tumpeer
R. T. Wilson
Robert I. Wishnick

WITCO CARBON COMPANY
295 MADISON AVENUE, NEW YORK, N. Y.

Black, Carbon—Brown

Black, carbon, special, 5, bgs., cs., c.l. works..lb. .40 - —
cs., l.c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., c.l., delvd. rail zone A (Gulf ports), for delivery in N.A. (water freights extra). lb. .0445 - —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .0475 - —
50,000 lbs., dlvd., Zone C (Pac. Cst. States)..lb. .0490 - —
30,000 lbs., dlvd., Zone C (Pac. Cst. States)..lb. .0500 - —
D (Ill., Ia., Wis.)...lb. .0490 - —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W. Va.)..lb. .0505 - —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .0535 - —
G (Mexico).....lb. .0455- —
l.c.l., dlvd., all zones.lb. .07 - —
ctns., l.c.l., dlvd. all zones. lb. .07½- —
cs., l.c.l., dlvd. all zones.lb. .08½- —
export, full, compsd., cs., f.a.s. Gulf ports..lb. .05½ Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .06 Nom.

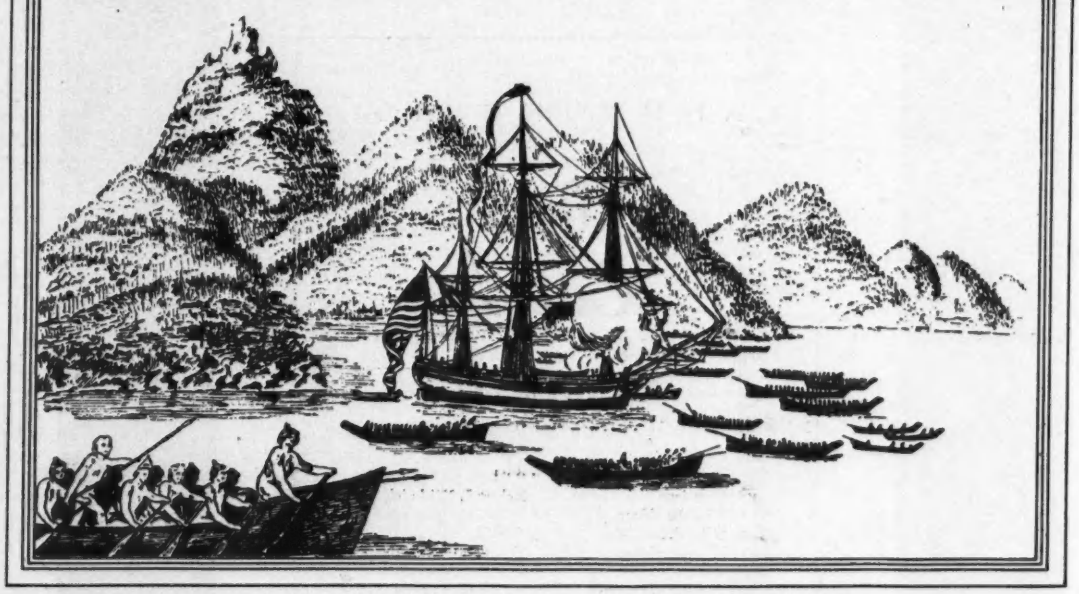
Charcoal (see C).
Graphite (see G).

Black, iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07½- .08½
2, bbls., l.c.l., works...lb. .07 - —
pure, bbls., works.....lb. .06½- —
Ivory, genuine, bbls......lb. .30 - .35
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
import, 1, bbls., c.l., f.o.b. N. Y..lb. .08 - —
l.c.l., f.o.b. N. Y.....lb. .09 - —
2, bbls., c.l, f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N.Y..lb. .13 - —
l.c.l., f.o.b. N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
l.c., f.o.b. N. Y. ...lb. .15 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y. ...lb. .20 - —
6, bbls., c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
Vine, A, bbls., works or N.Y.lb. .04¼- —
B, bbls., works or N. Y....lb. .05½- —
Black dyes are listed under Dyes.
Black haw root bark, bls......lb. .23 - .25
Tree bark, bls.....lb. .13 - .14
Black Indian hemp root, bls...lb. .12 - .13

Blanc fixe, dry, by-product, bgs., c.l..ton.60.00 -65.00
l.c.l. .....ton.65.00 -70.00
high grade precip., bgs, c.l., works, frt. equal.ton.70.00 - —
l.c.l., same basis.....ton.75.00 - —
pulp, 66⅔%, bulk, c.l., works. ton.40.00 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-17%, ammon., bulk, f.o.b. N. Y. unit-ton. 3.90 - —
high-grade, grd., 16-17% ammon., bulk, f.o.b. Chi. unit-ton. 4.00 - 4.25
import, bgs., c.i.f. ports, shipt..unit-ton. 3.85 - —
soluble (see Albumen, blood)
Bloodroot, bls .....lb. .12 - .13
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.). Miss., N. C., S. C., Tenn., Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; 1½c. higher dlvd. Tex. (El Paso, 2c.); for Denver, Pueblo, Salt Lake City, Wichita, prices are f.o.b. Chicago.
Bronze, bbls., same basis alkali toner, contracts..lb. .37 - —
open order.....lb. .38½- —
Celestial, bbls.....lb. .10 - .15
Chinese, bbls., same basis alkali toner, contracts..lb. .37 - —
open order.....lb. .38½- —

Blue, cobalt, genuine, 1-kilo pkg. lb. 4.90 - —
imitation (see Blue, ultramarine, group 6).
Milori, bbls., same basis alkali toner, contracts..lb. .37 - —
open order.....lb. .38½- —
Potash, bbls., same basis alkali toner, contracts..lb. .45 - —
open order.....lb. .47 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .37 - —
open order.....lb. .38½- —
Soluble, bbls., same basis alkali toner, contracts..lb. .37 - —
open order.....lb. .38½- —
Ultramarine, dry, jobbing, bbls., works, frt. equaled..lb. .10 - —
regular, 1, bbls., works, frt. equald..lb. .15 - —
2, bbls., same basis.....lb. .17 - —
3, bbls., same basis.....lb. .18 - —
4, bbls., same basis.....lb. .19 - —
5, bbls., same basis.....lb. .22 - —
6, cobalt, A., same basis.lb. .26 - —
B, bbls., same basis..lb. .23 - —
C, bbls., same basis..lb. .22 - —
D, bbls., same basis..lb. .21 - —
V, A, bbls., same basis..lb. .22 - —
B, bbls., same basis...lb. .21 - —
special, 1, bbls, same basis. lb. .18 - —
2, bbls., same basis.....lb. .19 - —
3, bbls., same basis.....lb. .21 - —
4, bbls., same basis.....lb. .22 - —
5, bbls., same basis.....lb. .24 - —
6, bbls., same basis.....lb. .26 - —
pulp, 1, bbls., same basis...lb. .26 - —
2, bbls., same basis.....lb. .24 - —
3, bbls., same basis.....lb. .22 - —
4, bbls., same basis.....lb. .19 - —
Ultramarine, blue, dlvd ex whse. is 1c. higher; Pac. coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 25-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Bluefag root, bls.....lb. .15 - .16
Blue mass, USP., cns., kgs....lb. 1.00 - 1.02
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b. N.Y., Chicago, Cooper Hill, Tenn. 100 lbs. 4.15 - —
16-25, same basis.100 lbs. 4.30 - —
6-15, same basis..100 lbs. 4.40 - —
3-5, same basis...100 lbs. 4.65 - —
1-2, same basis...100 lbs. 4.85 - —
monohydrated, dms., c.l., dealers, E. of Rockies...lb. .08 - .081
jobbers, E. of Rockies.lb. .08 - .081
l.c.l., dealers, E. of Rockies..lb. .09 - .095
jobbers, E. of Rockies.lb. .085 - .088
Bluestone (see Blue vitriol)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.23.00 -24.00
c.i.f., Atlantic ports..ton.32.50 Nom.
S.A., bgs., c.i.f. ports.ton.30.50 Nom.
steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.17.00 -18.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports.ton.23.50 - —
meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.18.00 -20.00
import, 100-lb. bgs., c.i.f. ports..ton.24.50 - —
Phosphate, precip. (see Calcium phosphate, dibasic, precip.)
Borage flowers, bls.....lb. .21 - .25
Borax, tech., 99½%, cryst., bbls., contracts,80 tons min., dlvd..ton.56.00 - —
c.l., dlvd.....ton.60.00 - —
l.c.l., ex whse.....ton.65.00 -70.00
sks., contracts, 80 tons min., dlvd..ton.46.00 - —
c.l., dlvd.....ton.50.00 - —
l.c.l., ex whse.....ton.55.00 -60.00
gran., bbls., contracts, 80 tons min., dlvd..ton.50.00 - —
c.l., dlvd.....ton.54.00 - —
l.c.l., ex whse.....ton.59.00 -64.00
sks., contracts, 80 tons min., dlvd..ton.40.00 - —
c.l., dlvd.....ton.44.00 - —
l.c.l., ex whse.....ton.49.00 -54.00
powd., bbls., contracts, 80 tons min., dlvd..ton.55.00 - —
c.l., dlvd.....ton.59.00 - —
l.c.l., ex whse.....ton.64.00 -69.00
sks., contracts, 80 tons min., dlvd..ton.45.00 - —
c.l., dlvd.....ton.49.00 - —
l.c.l., ex whse.....ton.54.00 -59.00
USP., $15 per ton higher.
Bordeaux mixture, cs., dms., tins, c.l., dealers, East..lb. .03¼- .14¾
West .....lb. .09 - .11
jobbers, East.....lb. .03 - .14½
West .....lb. .08 - .10
l.c.l., dealers, East, 1,000 lbs. and over..lb. .03¾- .15¼
101 to 999 lbs.....lb. .09¾- .16¼
100 lbs. or less.....lb. .10¾- .17¼
West .....lb. .09¼- .11¼
jobbers, East.....lb. .09¾- .14¾
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots.....lb. 1.75 - 2.00
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., c.s.,c.l.,works.lb. .36 - —
1,000 lbs., works.....lb. .33 - —
smaller lots, works.....lb. .43 - —
Bromoform, USP, jars.....lb. 1.75 - 1.80
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .40 - .65
moulding, cns., dms., over 10 lbs..lb. .55 - .80
printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .60
Broomtop, bls.....lb. .10 - .11
Brown, iron oxide, pure precip., cks, f.o.b. N.Y. or works...lb. .12½- —
Metallic, bbls., works.....lb. .02 - —
paper bgs., c.l., works.....lb. .0165- —
Sienna, burnt, American, bbls., works..lb. .06 - —
Italian, 1, bbls., f.o.b. N.Y. or Pa. points.....lb. .10 - —
2, bbls., same basis.....lb. .11 - —
3, bbls., same basis.....lb. .10 - —
4, bbls., same basis.....lb. .09½- —
5, bbls., same basis.....lb. .09¼- —
6, bbls., same basis.....lb. .08 - —
7, bbls., same basis.....lb. .07¾- —
8, bbls., same basis.....lb. .07½- —
9, bbls., same basis.....lb. .07 - —
10, bbls., same basis.....lb. .06¾- —
11, bbls., same basis.....lb. .06½- —
12, bbls., same basis.....lb. .06 - —
13, bbls., same basis.....lb. .05¾- —
14, bbls., same basis.....lb. .05½- —

DISCOVERY



THE DISCOVERY OF THE COLUMBIA RIVER
AFTER AN OLD PRINT BY DAVIDSON

ON May 11, 1792, Captain Robert Gray of Boston, while on a voyage to open trade with the northwest coast of America, entered a great river which he named COLUMBIA, after his own vessel. Previously, the *Columbia* had been the first American ship to circumnavigate the globe.

Why don't you, too, discover COLUMBIA—the COLUMBIA ALKALIS which never vary, which set new standards of purity, which are backed with worry-free service? If you are not already specifying COLUMBIA for all soda products, may we suggest that the present, with its promise of prosperity for 1937, is a most opportune time to sign on.

SODA ASH · CAUSTIC SODA
SODIUM BICARBONATE
MODIFIED SODAS · CALCIUM CHLORIDE
LIQUID CHLORINE

Our technical staff will gladly cooperate on any unusual applications you may encounter.

THE COLUMBIA ALKALI CORPORATION
EXECUTIVE SALES OFFICES 30 ROCKEFELLER PLAZA • NEW YORK, N. Y.
Branch Sales Offices • BARBERTON, OHIO • 451-461 ST. CLAIR STREET, CHICAGO
CAREW TOWER, CINCINNATI • GRANT BLDG., PITTSBURGH • Plant at Barberton, Ohio

Brown, sienna, raw, American, bbls., works..lb. .02¾- —
Italian, 1, bbls., f.o.b. N.Y. or works..lb. .12½- —
2, bbls., same basis..lb. .10½- —
3, bbls., same basis..lb. .10¾- —
4, bbls., same basis..lb. .09¼- —
5, bbls., same basis..lb. .08¾- —
6, bbls., same basis..lb. .08¼- —
7, bbls., same basis..lb. .07½- —
8, bbls., same basis..lb. .07 - —
9, bbls., same basis..lb. .06½- —
10, bbls., same basis..lb. .05¾- —
11, bbls., same basis..lb. .04¾- —
Umber, American, bbls., works, lb. .02½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Pa., Easton, Pa., N. Y.....lb. .04 - —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .04½- —
ex dock Portland, San Francisco, Seattle.lb. .04¾- —
ex whse. Boston.....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04¾- —
Kansas City.....lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle lb. .04½- —
Minneapolis .....lb. .04⅝- —
Pittsburgh .....lb. .04½- —
Vandyke, bbls., l.c.l.....lb. .05¾- —
Walnut crystals, bbls.....lb. .06 - —
Brucine, cns.....oz. .10 - .11
Sulphate, cns.....oz. .07 - .08
Bryonia roots, bls.....lb. .10 - .11
Buchu leaves, bls.....lb. .68 - .70
Buckthorn bark, true, bls.....lb. .04 - .05
Berries, bgs.....lb. .19 - .20
Burdock root, bls.....lb. .09½- .10
Burgundy pitch, dom., bbls., c.l., works..lb. .08½- —
l.c.l., divd. E.....lb. .05 - —
Import., stands.....lb. .11 - .12
Butanes, comi., 16-32°, tanks, group 3..gal. .02¼- .02¾
Butternut bark, bls.....lb. .06½- .07
Butyl acetate, norm., dms., c.l., contract, frt. alld..lb. .10 - —
l.c.l., contract, frt. alld.lb. .10½- —
tanks, contract, frt. alld.lb. .09- —
secondary, dms., c.l., f.o.b. dest..lb. .08¼- —
l.c.l., f.o.b. dest.....lb. .09 - —
tanks, f.o.b. dest.....lb. .07¼- —
Acohol (see Alcohol).
Aldehyde, dms., c.l., works..lb. .19 - —
l.c.l., works.....lb. .21 - —
Carbinol (see Carbinol).
Lactate, dms.....lb. .22½- .23½
Propionate, dms., divd.....lb. .16 - .18½
tanks, divd.....lb. .17 - —
Butyric ether, dms.....lb. .80 - .85

C

Cadmium bromide, bots., jars.lb. 1.39 - 1.44
Iodide, bots., jars.....lb. 3.65 - 3.70
Lithopone (see Yellow).
Metal, cs.....lb. 1.05 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, cns., cs., less than 1,000 lbs., contract..lb. 2.20 - 2.50
dms., 1,000 lbs. or over, contract..lb. 2.15 - —
Citrated, cns.....lb. 1.70 - 1.75
Hydrobromide, bots., jars...lb. 4.82 - 4.87
Calabar beans, bgs.....lb. .15 - .16
Calamus root, bleached, cs....lb. .45 - .50
Calcium acetate, bgs,, divd..... 100 lbs. 2.10 - —
Arsenate, dms., c.l., consumers, S..lb. .06½- —
dealers, E. of Rockies..lb. .06¼- —
South .....lb. .06¼- —
jobbers, E. of Rockies.lb. .06 - —
South .....lb. .06 - —
l.c.l., consumers, S.....lb. .07¼- —
dealers, E. of Rockies, 1,000 lbs. or over..lb. .06¾- —
101 to 999 lbs.....lb. .07¾- —
100 lbs. or less.....lb. .08¾- —
South .....lb. .06¾- —
jobbers, E. of Rockies..lb. .06¾- —
South .....lb. .06¾- —
Calcium arsenate prices are works or whse basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck, allowance for plant or whse. pick-up.
Bromide, jar.....lb. .09 - .22
Carbide, dms.....lb. .05 - .06
Carbonate (see Chalk and Whiting)
Chloride, flake, dom., 77-88%, bgs., dms., c.l., dlvd. ton.22.00 -35.00
l.c.l., 1 ton or over, divd..100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., dlvd..ton.20.00 -22.00
l.c.l., 1 ton or over, divd..100 lbs. 1.60 - 2.25
Gluconate, pharm., gran., powd., bbls. (125 lbs.)..lb. .50 - —
25 lbs.....lb. .57 - —
Glycerophosphate, bbls., kgs., 100 lbs..lb. 1.15 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 3.70 - 3.75
Calcium lactate, USP, bbls...lb. .25 - .26
Nitrate, bgs., to fert. mfrs., ex vessel..ton.26.10 - —
Palmitate, bbls.....lb. .21 - .22
Phosphate, dibasic, precip., 38-42% P_2O_5, c.l.f. Atlantic ports..unit-ton. .70 - —
tri-basic, precip., c.l., bbls., works..lb. .06½- —
l.c.l., bbls.....lb. .07½- —
Resinate, precip., bbls., 1 ton, lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., otns., c.l..lb. .19 - —
1 ton.....lb. .20 - —
smaller lots.....lb. .21 - —
Sulphate (see Gypsum)
Sulphide, 75%, CaS (minus 100 mesh, c.l., works..ton.52.00 - —
l.c.l. works.....ton.56.00 - —
32/36 CaC c.l., works..ton.58.00 - —
l.c.l., works.....ton.64.00 - —
luminous, dom., tins, works, lb. .75 - —
Sulphocarbolate, cs.....lb. .47 - .48
Calendula flowers, bls.....lb. .55 - .60
Calomel, bxs., kgs.....lb. 1.32 - —
Camphor, natural, powd., cs..lb. .52 - .53
slabs, cs.....lb. .52 - .53
tablets, tins.....lb. .57 - .58
synthetic, dom., imp., gran., powd., bbls., 2,000 lbs..lb. .48 - —
500 lbs.....lb. .50 - —
100 lbs.....lb. .51 - —
tablets, cs., 2,000 lbs.....lb. .54 - —
500 lbs.....lb. .56 - —
100 lbs.....lb. .57 - —
Monobromate, bxs., kgs.....lb. 1.60 - 1.65
Canada balsam (see Fir balsam)
Canary seed, Argentine, bgs...lb. .05¾- .06¼
Morocco, bgs.....lb. .05¾- .06¼
Turkish, bgs.....lb. .05¾- .06¼
Canella alba bark, bls.....lb. .37 - .38
Cannabis herb, bls.....lb. .18 - .20
Cantharides, Chinese, cs.....lb. .60 - .65
powd., bxs.....lb. .85 - .90
Russian, cs. .....lb. 1.40 - 1.45
powd., bxs.....lb. 1.80 - 1.85
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs.....lb. .07½- .08
Carbazole, 70-80%, dms.....lb. .60 - —
90%, dms.....lb. .89 - —
98-99%, dms.....lb. .92 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
secondary, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .53 - —
l.c.l., works .....lb. .54 - —
tanks, works .....lb. .52 - —
Methylpropyl, dms., works...lb. .60 - —
smaller lots, works.....lb. .75 - —
Dimethylethyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Carbon bisulphide, dms.....lb. .05¼- .05½
tanks .....lb. .04½- —
Dioxide, cyls. .....lb. .06 - .08
Tetrachloride, 55-gal. or 110-gal., dms., c.l. (20 tons), frt. alld. E. of Miss. river, N. of Ohio river, including Ky., Va., W. Va., lb. .05¼- —
l.c.l., same basis.....lb. .05¾- —
10-gal. dms., c.l. (20 tons), same-basis..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
5-gal. dms., c.l. (20 tons), same basis..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .05 - —
Fire extinguisher liquid, 2c. lb. higher.
Cardamon, bleached, cs.....lb. 1.10 - 1.30
decorticated, cs.....lb. 1.30 - 1.40
green, bgs.....lb. .94 - .98
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk...lb. .12 - .13
Case-hardening mixture, 45% gran., dms., l.c.l.....lb. .11¾- —
lump, dms., l.c.l.....lb. .10¾- —
80% lump, dms. l.c.l.....lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd.....lb. .17 - —
5 tons, works.....lb. .17¼- —
smaller lots, works.....lb. .18¼- —
80-100 mesh, bgs., c.l., dlvd.. lb. .17¼- —
5 tons, works.....lb. .17¾- —
smaller lots, works.....lb. .18¾- —
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .17 - —
80-100 mesh, bgs., c.l., duty pd..lb. .17½- —
French, 30 mesh, bgs., c.l., duty pd..lb. .17 - .17½
Cassia, Batavia, 1, bgs.....lb. .13¾- .14¼
3, bls.....lb. .07½- .08
short, stick, bls.....lb. .11½- .12
China, rolls, select, cs.....lb. .05½- .05¾
broken, extra bls.....lb. .03¾- .04
Saigon, bls.....lb. .15½- .16
Cassia buds, cs.....lb. .14½- .15
Cassia fistula, bakts.....lb. .15 - .16
Castile soap, white, bars, cs., 40 lbs.20.00 - —
powd., bbls.....lb. .28 - .34
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor oil (see Oil, castor)
Pomace, dom., 5¼% ammon., bgs., c.l., works.....ton.18.50 - —
Import, bgs., c.i.f.,ports, shipment..ton No prices
Catnep leaves, bls.....lb. .18 - .19
Celery seed, French, bgs.....lb. .22½- .23
Indian, bgs.....lb. .17¾- .18¼
Celluloid scrap, amber, cs.....lb. .12 - .13
black, cs., works.....lb. .08 - .09
China white, ivory, cs., works. lb. .12 - .13
dense white, cs., works....lb. .11 - .12
grey, cs., works.....lb. .09 - .10
mixed, mottles, opaques, cs., works..lb. .05 - —
shell-demi, cs., works.....lb. .09 - .10
translucent pastels, cs., works. lb. .13 - .14
transparent, cs., works....lb. .12 - .13
colors, cs., works.....lb. .08 - .09
Shavings, amber, cs., works.lb. .13 - —
colored, mixed, cs., works..lb. .09 - —
white, cs., works.....lb. .12 - —
Cellulose acetate, flake, cs., 2,000 lbs., works..lb. .55 - —
1,000 lbs., works.....lb. .56 - —
500 lbs., works.....lb. .57½- —
100 lbs., works.....lb. .60 - —
scrap, transparent,bgs.,works. lb. No stocks
Cement, white, bbls. (4 bags), 3 tons, divd. N.Y...bbl. 6.10 - —
less than 5 tons, truck divy. bbl. 6.00 - —
Cerium hydrate, dms., works..lb. .65 - —
Oxalate, USP, bbls., works..lb. .28 - —
kgs., works.....lb. .30 - —
Chalk, precip., ext. light, csks., c.l..lb. .03 - .04
heavy, csks., c.l.....lb. .03 - .04
light, csks., c.l.....lb. .02 - .04
Chamomile flowers, Hungarian, genuine, cs..lb. .21 - .22
Roman, bls.....lb. .28 - .30
Charcoal, softwood, powd., bgs., c.l., divd. Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.30.40 - —
Conn., Me., Mass., N. H., R. I., Vt.....ton.30.80 - —
Ill., Wis.....ton.27.00 - —
Indiana .....ton.28.00 - —
Mich., Ohio, Penn..ton.29.80 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls..lb. .01625- —
tanks .....lb. .03 - —
powd., bgs., works.....lb. .04¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 90.75% 300 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.00 -15.00
bulk, c.l., works..ton. 6.00 - —
90.75% 200 mesh, bgs., c.l., works..ton. 7.50 - —
l.c.l., works.....ton. 8.50 -14.50
wet-grd., silk-bolt., 90.9% 325 mesh, bulk, c.l., works..ton. 8.00 - —
paper bgs., c.l., works. ton.10.50 - —
import., white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila. ton.22.00 -25.00
powd., csks., l.c.l., ex dock ton.25.00 - —
ex whse.....ton.27.50 - —
Chloral hydrate, bots., 1,000 lbs. lb. .83 - .93
500 lbs.....lb. .86 - .96
100 lbs.....lb. .88 - .97
25 lbs.....lb. .90 - .99
1-10 lbs.....lb. .95 - 1.03
dms., 1,000 lbs.....lb. .89 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —
Chlorine, liq., cyls., c.l., dlvd., N.Y...lb. .05½- —
contracts., dlvd., N.Y...lb. .06½- —
l.c.l., dlvd., N.Y.....lb. .07½- —
tanks, single unit, works, frt. equald..100 lbs. 2.15 - —
multiple unit, 3 or over, wks., frt. equald.100 lbs. 2.30 - —
2, works, frt. equaid... 100 lbs. 2.55 - —
1, works, frt. equaid... 100 lbs. 3.00 - —
Chloroacetophenone,tins,works.lb. 2.00 - —
Chloroform, tech., 650-lb. drums. lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. tins.....lb. .25 - —
USP, 650-lb. dms.....lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
Chloropicrin, comi., cyls., works, lb. .85 - .90
Chrome acetate, bbls.....lb. .05 - .08
Cake, bulk., c.l., works....ton.11.00 -12.00
Green (see Green, chrome)
Oxide (see Green, chrome oxide)
Sulphate, pearls, bxs., cns., fib. dms..lb. .40 - .45
powd., bxs., cns., fib. dms. lb. .40 - .45
scales, bxs., cns., fib. dms.lb. .45 - .50
Trioxide (see Acid, chromic)
Yellow (see Yellow, chrome)
Chrysarobin, cns.....lb. 3.25 - 3.50
Cinchona bark, chips, bgs.....lb. .18 - .20
high test, bgs.....lb. .45 - .50
quills, broken, bgs.....lb. .18 - .20
long, cs.....lb. .55 - .60
short, bgs.....lb. .90 - .95
Ecuador, tubes.....lb. .17 - .25
Cinchonidine, cryst., powd.,cns.oz. .80 - .87
Sulphate, cns.....oz. .47 - —
Cinchonine, cryst., powd., cns.oz. .50 - .58
Sulphate, cns.....oz. .34 - —
Cinchophen, USP., bbls.....lb. 3.00 - —
bxs., dms., kgs.....lb. 3.05 - 3.10
Cinnamic alcohol (see Alcohol, cinnamic)
Aldehyde, f.f.c., bots.....lb. 1.55 - 2.00
Cinnamon, Ceylon, 2, bls.....lb. .15¾- .16½
3, bls.....lb. .15¼- .15¾
Citral, cns.....lb. 1.75 - 3.15
Citrine ointment, jars, tubes..lb. .75 - —
Citronellal, bots.....lb. 1.10 - 1.25
Citronellol, bots.....lb. 1.80 - 1.90
Clove, Madagascar, bls.....lb. .15 - .15½
Zanzibar, bls.....lb. .15½- .16
Clover tops, bls.....lb. .12 - .13
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.25 - —
l.c.l., works.....bbl. 8.00 - —
tanks, works.....gal. .07 - .09
refd., bbls., c.l., works...bbl. 7.75 - —
l.c.l., works.....bbl. 8.50 - —
tanks, works.....gal. .08 - .10
water-gas, crude, dms., c.l., works..dm. 6.75 - —
l.c.l. works.....dm. 7.50 - —
tanks, works.....gal. .07 - .08
refd., dms., c.l., works..dm. 7.25 - —
l.c.l. works.....dm. 8.00 - —
tanks, works.....gal. .08 - .09
Cobalt acetate, bbls., dlvd.....lb. .58 - .60
kgs., dlvd.....lb. .65 - —
Carbonate, tech., bbls., dlvd.lb. 1.42½- —
Chloride, dms., works.....lb. .67¾- .72½
Hydrate, bbls.....lb. 1.66 - 1.70
Linoleate, paste, 6% dms...lb. .31¼- —
solid, 8½% bbls.....lb. .32½- —
Oleate, bbls.....lb. .26 - —
Oxide, black, kgs.....lb. 1.41 - 1.51
Resinate, fused, A, bbls.....lb. .13 - —
1%, bbls.....lb. .12½- —
2%, bbls.....lb. .16½- .17
3%, bbls.....lb. .17½- .18
precip., dms., dlvd.....lb. .30½- —
Sulphate, dms.....lb. .51 - .53
Cocaine hydrochloride, cns....oz. 9.75 -10.00
Cochineal, gray, bgs.....lb. .32 - .36
Teneriffe, silver, bgs.....lb. .33 - .37
Cocillana bark, bgs.....lb. .20 - .21
Cocoa butter, lump, bgs., c.l..lb. .28 - .30
Codeine, cns., 100 ozs.....oz.11.70 -11.75
Hydrochloride, cns., 100 ozs..oz.10.50 -10.55
Phosphate, cns., 100 ozs.....oz. 9.00 - 9.05
Sulphate, cns., 100 ozs.....oz. 9.50 - 9.55
Codliver oil (see Oil, codliver)
Cohosh, black, root, bls.....lb. .07 - .07½
Blue, root, bls.....lb. .06 - .07
Colchicine, vls.....oz.24.00 -25.00
Colchicum seed, bgs.....lb. .23 - .25
Collodion, USP, dms.....lb. .12 - .13
Flexible, USP, dms.....lb. .14 - .15
Colocynth pulp, bls.....lb. .60 - .65
Colombo root, bls.....lb. .10¼- .11
Coltsfoot leaves, bgs.....lb. .08 - .09
Condurango bark, bgs.....lb. .08 - .09
Conium leaves, bls.....lb. .18 - .19
Copaiba balsam, Para, cns....lb. .28 - .29
S.A., USP, cns.....lb. .30 - .31
Copper carbonate, 52-59%, bbls.lb. .14½- .15¾
15-20%, bbls.....lb. .07 - .08
Chloride, bbls.....lb. .17 - .18
Cyanide, tech., bbls.....lb. .37 - —
Iodide, bots.....lb. 4.97 - 5.02
Metal, electrolytic.....lb. .10½- —
Oleate, precip., bbls.....lb. .30 - —
Oxide, black, bbls., tons, works, lb. .15¼- —
smaller, lots, works.....lb. .15¾- —
Red, com'l, 50-75%, kgs., c.l., f.o.b. N.Y..lb. .14 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Resinate, precip., bbls.....lb. .18 - .19
Stearate, precip., bbls.....lb. .35 - .40
Sulphate (see Blue vitriol)
Copperas, cryst., gran., bgs., c.l., works..ton.14.00 -15.00
bbls., c.l., works.....ton.16.00 -17.00
l.c.l., 25 or over, works.... 100 lbs. 1.35 - —
5-24, works .....100 lbs. 1.50 - —
1-4, works .....100 lbs. 2.00 - —
bulk, c.l., works.....ton.12.00 -12.50
Copra, bgs., Pacific Coast.....lb. .0435- —
Coriander seed, Morocco, bgs..lb. .04½- .05
bleached, bgs.....lb. .06¼- .06¾
Russian, bgs. .....lb. No stocks.
Corn sugar, tanners, bbls., dlvd. 100 lbs. 3.88 - —
ex whse.....100 lbs. 3.78 - —
Syrup, 42°, bbls.....100 lbs. 3.80 - —
43°, bbls.....100 lbs. 3.90 - —
Cornsilk, bls. .....lb. .07½- .08
Corrosive sublimate, cryst., bxs., fib. dms., kgs..lb. 1.14 - —
gran., bxs., fib. dms., kgs....lb. .92 - —
powd., bxs., fib. dms., kgs....lb. .99 - —
Cottonroot bark, bls.....lb. .12 - .13
Cottonseed hull ash, 25-30% pot-ash bulk, divd..unit-ton. 1.00 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 3.00 - —
5-lb. cns.....lb. 3.10 - —
1-lb. cns.....lb. 3.25 - —
1-oz. cns.....lb. 3.60 - —
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp bark, genuine, bls.....lb. .20 - .21
so-called, bls.....lb. .07 - .08
Cranesbill root, bls.....lb. .15 - .20

Brown, Sienna—Diphenyl

Cream tartar, cryst., bbls.....lb. .16¾- .17¼
kgs. .....lb. .17¼- .17¾
gran., bbls.....lb. .16¼- .16¾
kgs. .....lb. .16¾- .17¼
powd., bbls.....lb. .16¼- .16¾
kgs. .....lb. .16¾- .17¼
Creosote, wood, beech., bots..lb. .70 - .75
pine, dms.....gal. .28 - —
USP, bots.....lb. .45 - .47
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Oil, crude, tanks, works....gal. .12½- .13½
Coaltar solution, tanks, works gal. .113 - .125
refd., bbls., c.l., works..gal. .22½- —
l.c.l., works.....gal. .25 - —
tanks, works.....gal. .15 - .18½
Cresol, US.P, dms., c.l., works.lb. .10 - —
l.c.l., same basis.....lb. .10½- —
Crotonaldehyde, tech., dms., c.l., works..lb. .26 - —
l.c.l., works.....lb. .30 - —
Cube root, powd., 5% rotenone, bbls., 30,000 lbs., 1 shipm't., f.o.b. N. Y. C., fr't., equal'd., with shipm'ts., from Newark, Balto., and West Coast ports.....lb. .28 - —
30,000 lbs., contract, same basis..lb. .28½- —
10,000 lbs., same basis.lb. .29 - —
2,000 lbs., same basis.lb. .30 - —
200 lbs., same basis..lb. .33 - —
less than 200 lbs., same basis..lb. .36 - —
4% rotenone prices 5c. per lb. less.
Cubeb berries, XX, bgs.....lb. .34 - .35
powd., cs.....lb. .38 - .39
Culver's root, bls.....lb. .16 - .17
Cumin seed, Algerian, bgs....lb. .08½- .09
Indian, bgs.....lb. .08¾- .08¾
Morocco, bgs.....lb. .08¾- .09¼
Cutch, Philippine, bls., c.l....lb. .04 - —
Cyanamide, 21-22% N., dom., pulv., bgs., f.o.b. Gulf ports, divd, interior, NH_3 unit. 1.07½- —
Atlantic ports, NH_3 unit. 1.03 - —
Cyanide-chloride mixture, 75% gran., dms..lb. .16 - .17
lump, dms.....lb. .14 - .15

D

Damiana leaves, bls.....lb. .13 - .14
Dandelion root, German, bls..lb. .21 - .23
Deertongue leaves, bls.....lb. .11 - .12
Degras, common, dom., bbls...lb. .07¾- .08
English, bbls.....lb. .07½- .07¾
neutral, dom., bbls.....lb. .11¾- .12¼
English, bbls.....lb. .11¾- .12¼
Derris root, powd., 5% rotenone, bbls., 30,000 lbs., 1 shipment, f. o. b. N. Y. C., fr't., equal'd with shipments from Newark, Balto., and West Coast ports.....lb. .30 - —
30,000 lbs., contract, same basis..lb. .30¼- —
10,000 lbs., same basis.lb. .40 - —
2,000 lbs., same basis.lb. .41 - —
200 lbs., same basis..lb. .44 - —
less than 200 lbs., same basis..lb. .47 - —
4% rotenone prices 6c. per lb. less.
Dextrin, British gum, bgs., c.l., f.o.b. Chicago..100 lbs. 4.60 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.80 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 4.35 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.55 - —
white, bgs., c.l., f.o.b. Chicago 100 lbs. 4.30 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.50 - —
Potato, import., bgs.....lb. .07¾- .08¾
Tapioca, bgs., ex whse.....lb. .08 - —
Diamyl ether, dms., c.l., works. lb. .083 - —
l.c.l., works .....lb. .092 - —
tanks, works .....lb. .075 - —
oxalate, dms., l.c.l., works...lb. .30 - —
Diamyl phthalate, dms., c.l., dlvd. lb. .19½- —
l.c.l., divd.....lb. .20 - —
tanks, divd.....lb. .15½- —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., l.c.l. works lb. .75 - —
Diamylene, dms., c.l., works.lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works .....lb. .085 - —
Dianisidin, bbls. .....lb. 2.25 - 2.45
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works. ton.22.00 -35.00
l.c.l., ex whse.....ton.45.00 -150.00
import., bgs., c.l., f.o.b. N.Y. ton.40.00 - —
Dibutyl phthalate, dms.....lb. .19½- .20
Tartrate, dom., dms.....lb. .35 - .40
import., dms. .....lb. .80 - .85
Dicalcium phosphate (see Calcium phosphate, dibasic)
Dichloroethyl ether, dms., c.l., works..lb. .16 - —
l.c.l., works .....lb. .17 - —
tanks, works .....lb. .15 - —
Dichloropentanes, dms., c.l., works..lb. .062 - —
l.c.l., works .....lb. .04 - —
tanks, works .....lb. .035 - —
Diethanolamine, dms. .....lb. .31 - .35
Diethyl carbonate, comi., dms.lb. .31½- —
refd., 99%, dms.....lb. .50 - —
Carbinol (see Carbino)
Phthalate, dms., c.l.....lb. .13 - —
l.c.l. .....lb. .13½- —
tanks .....lb. .17 - —
Diethylanilin, dms. .....lb. .52 - .54
Diethylene oxide, dms., c.l., works lb. .20 - —
l.c.l., works .....lb. .21 - .24
tanks, works .....lb. .19 - —
Diethyleneglycol, dms., c.l., works lb. .16½- —
l.c.l., works .....lb. .17½- —
Monobutylether, dms., works.lb. .34 - .37
Monoethylether, dms., c.l., works..lb. .16 - —
l.c.l., works .....lb. .17 - —
tanks, works .....lb. .15 - —
Digitalis leaves, dms.....lb. .25 - .30
Diglycol oleate, light, bbls....lb. .24 - —
Dillseed, recleaned, bgs.....lb. .06¾- .07
Dimethyl phthalate, dms.....lb. .19 - .19½
Dimethylanilin, dms. .....lb. .29 - .30
Dimethylethyl carbinol (see Carbinol)
Dinitrobenzene, bbls. .....lb. .17 - .17½
purified, bbls. .....lb. .19 - .19½
Dinitrochlorobenzene, bbls. ...lb. .14½- .15½
Dinitronaphthalene, kgs. .....lb. .35 - .38
Dinitrophenol, bbls. .....lb. .23 - .24
Dinitrotoluene, dms. .....lb. .15¼- .16¼
oily, dms. .....lb. .08½- .10
Diorthotoluolguanidin, dms., 2,000 lbs. or over, divd.....lb. .44 - —
600-1,950 lbs., divd.....lb. .46 - —
150-450 lbs., divd.....lb. .47 - —
Dip oil (see Tar acid oil)
Dipentene, dms. .....gal. .47 - .50
tanks .....gal. .41 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works .....lb. .20 - .25

Diphenyl—Gum Copal

Diphenyl, oxide, bots.....lb. .70 - 1.60
Diphenylamine, bbls.....lb. .31 - .32
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd..lb. .32 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 2.00
Disodium phosphate (see Soda phosphate, dibasic)
Divi-divi, bgs., shipment....ton.32.00 -35.00
Extract, 25% tan., bbls.....lb. .03 - .03½
Doggrass root, cut, bls.....lb. .12 - .13
Dogwood bark, dom., bls.....lb. .04 - .05
Jamaica, bls.....lb. .06½- .07
Dover's powder, USP, cns....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, thin, cs.....lb. .90 - 1.00
Dubolsine sulphate, vls.....oz.34.50 -35.00
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
86 Chrome yellow 2G.....lb. .65 - .70
40 Chrome yellow R.....lb. .90 - 1.00
53 Victoria violet .....lb. .80 - 1.00
165 Lake red C.....lb. 1.15 - 1.25
176 Fast red A.....lb. .60 - .75
180 Fast red VR.....lb. 1.50 - 1.65
189 Lake red R, paste.....lb. .85 - .90
189 Lake red R, powdered..lb. 3.00 - 3.10
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
206 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
280 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B...lb. .80 - .85
326 Direct fast scarlet.....lb. 2.00 - 2.25
364 Paper yellow .....lb. .82 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.30
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN..lb. .50 - .75
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
449 Benzo purpurin 4B.....lb. .40 - .42½
495 Benzo purpurin 10B....lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .90 - 1.00
518 Direct pure blue 6B....lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF..lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
598 Direct green B.....lb. .75 - .80
604 Direct green G.....lb. 1.00 - 1.05
606 Direct brown 3GO.....lb. .35 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
688 Acid violet .....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow.....lb. 2.00 - 2.25
845 Nigrosin (water soluble).lb. .35 - .50
1177 Indigo, 20 p.c., paste...lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black .....lb. .20 - .25
Sulphur blue .....lb. .40 - 1.00
Sulphur brown .....lb. .25 - .50
Sulphur maroon .....lb. .40 - —
Sulphur olive .....lb. .25 - .54
Sulphur tan .....lb. .30 - .50
Sulphur yellow .....lb. .30 - .50
Zambesi black .....lb. .75 - .80
Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives.lb. .42 - —
Blue:—
1075 Alizarin astrol base.lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
729 Victoria blue.....lb. .75 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .70 - —
.... Orange, red shade..lb. .75 - —
Red:—
73 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 Anthroquinone violet base..lb. 6.00 - —
690 Oil violet .....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
864 Nigrosin .....lb. .40 - —
Blue:—
726 Victoria blue .....lb. 2.55 - —
860 Indulin .....lb. .70 - —
Brown:—
231 Bismarck brown ....lb. 1.50 - —
Green:—
667 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base. lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
17 Amidoazotoluene yellow—lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 3.00 - —
Violet:—
680 Methyl violet.....lb. 1.30 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S. lb. .50 - —
865 Nigrosin .....lb. .36 - —
873 Methylene gray .....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.60 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.00 - —
1180 Indigotin IA.....lb. .95 - —
Brown:—
234 Resorcin brown Y...lb. .65 - —
235 Resorcin dark brown R. lb. .66 - —
231 Bismarck brown G..lb. .52 - —
332 Bismarck brown R..lb. .37 - —
793 Phosphin .....lb. 4.05 - —
Green:—
5 Naphthol green B...lb. 1.00 - —
667 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
660 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green. lb. 2.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
Water soluble
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
Red:—
21 Amidonaphthol red G. lb. .42 - —
87 Amidonaphthol red 6B. lb. .68 - —
79 Ponceau R.....lb. .42 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .53 - —
183 Crocein scarlet 3BX..lb. .60 - —
186 Cochineal red A.....lb. .60 - —
253 Brilliant crocein M..lb. .68 - —
677 Fuchsin .....lb. 1.50 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .32 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .98 - —
Yellow:—
10 Naphthol yellow S..lb. .38 - —
133 Metanil yellow.....lb. .52 - —
636 Fast light yellow...lb. 1.35 - —
639 Xylene light yellow.lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.37 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .21 - .22
Egg albumen (see Albumen).
Yolk, dom., cs.....lb. .66 Nom.
import, cs.....lb. .51 - .54
Elder flowers, bright, bls.....lb. .19 - .20
dark, bls.....lb. .18 - .19
Elecampane root, bls.....lb. .09 - .10
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .17 - .21
select, bndls., cs.....lb. .35 - .36
Emetine hydrochloride, bots., vls. oz.15.00 -15.25
Ephedra, bls.....lb. .06 - .07
Ephedrine, tins, 100 ozs.....oz. 1.00 - —
Hydrochloride, tins, 100 ozs..oz. 1.00 - —
Sulphate, cryst., tins, 100 ozs.oz. 1.00 - —
powd., tins, 100 ozs.....oz. 1.05 - —
Epsom salt, tech., bgs....100 lbs. 1.70 - —
bbls.....100 lbs. 1.80 - —
USP, cryst., dom., bgs., c.l. 100 lbs. 1.90 - —
bbls., c.l.....100 lbs. 2.60 - —
l.c.l.....100 lbs. 2.85 - 2.60
import, bgs.....100 lbs. 2.00 - —
dried, dom., bgs., l.c.l...lb. .09 - .08
Ergot, USP, cs, dms.....lb. 1.50 Nom.
Eserine, bots., vls.....oz.42.00 -42.25
Salicylate, bots., vls.....oz.29.00 -29.25
Sulphate, bots., vls.....oz.30.00 -30.25
Ether, acetic, dms.....lb. .10 - .11
Ethyl (see Ether, sulphuric)
Nitrous, conc., bots.....lb. .75 - .77
Sulphuric, conc., dms.....lb. .09 - —
synth., dms., c.l., works...lb. .08 - —
l.c.l., works.....lb .09 - —
USP, anesthesia, dms.....lb. .26 - .27
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, dms., c.l., frt. alld. lb. .07½- —
l.c.l., frt. alld.....lb. .08 - —
tanks, frt. alld.....lb. .06½- —
anhyd., dms., c.l., frt. alld.lb. .06½- —
l.c.l., frt. alld.....lb. .09 - —
tanks, frt. alld.....lb. .07½- —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .22 - .24
Cinnamate, bots.....lb. 3.40 - 4.25
Crotonate, dms., works.....lb. 1.00 - 1.35
Formate, dms.....lb. .27 - .28
Iodide, bots.....lb. 5.55 - 5.60
Lactate, 55-gal. dms., works.lb. .33 - —
5-gal. dms., works.....lb. .36 - —
Oxalate, dms.....lb. .30 - .34
Ethylbenzylaniline, dms.....lb. .86 - .90
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms., dlvd.....lb. .03½- .0304
Ethyleneglycol, dms., c.l.....lb. .17 - —
l.c.l.....lb. .18 - .21
tanks.....lb. .16 - —
Monobutylether, dms., c.l., works lb. .20 - —
l.c.l., works.....lb. .21 - .24
tanks, works.....lb. .19 - —
Monoethylether, dms., c.l., works lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Monoethylether acetate, dms., c.l., works..lb. .14 - —
l.c.l., works.....lb. .15 - —
tanks, works.....lb. .13 - —
Monomethylether, dms., c.l., works..lb. .19 - —
l.c.l., works.....lb. .20 - .22
tanks, works.....lb. .18 - —
Ethylidinaniline, dms.....lb. .45 - .47½
Ethylmethyl ketone, dms., c.l., frt. pd..lb. .07½- —
l.c.l., frt. pd.....lb. .08 - —
tanks, frt. pd.....lb. .06½- —
Ethylorthoparatoluenesulphonamide, bbls..lb. .55 - —
Ethylparatoluenesulphonamide, bbls..lb. .60 - —
Eucalyptol, cns., dms.....lb. .46 - .48
Eucalyptus leaves, bls.....lb. .06 - .07
Eugenol, cns.....lb. 1.35 - 1.95
Euphorbia, bls.....lb. .06 - .06½

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -15.00
glass, 20 mesh, bulk, works.ton.11.00 -12.25
pottery, bulk, Me. works...ton.17.00 -19.00
N.C. works.....ton.17.00 -19.00
Fennel seed, French type, bgs, lb. .07½- .08
India bgs.....lb. .07½- .08
German, large, bgs.....lb. .18 - .19
small, bgs.....lb. .13 - .14
Fenugreek seed, bgs.....lb. .05 - .06½
Ferric sulphate, dms., works.ton.35.00 -40.00
Film scrap, colors, dark, cs., 1,000 lbs. or over, E. works lb. .12½- .13
smaller lots, E. works. lb. .13½- .14
light, cs., 1,000 lbs. or over, E. works..lb. .14 - .15
smaller lots, E. works.lb. .15 - .16
water white, cs., 1,000 lbs. or over, E. works..lb. .15 - .16
smaller lots, E. works.lb. .16 - .19
Film scrap prices f.o.b. Calif. works, 1c. lb. lower.
Fir balsam, Canada, cns.....gal. 3.75 -13.00
Oregon, bbls.....gal. 3.00 - 3.25
Fish berries, bgs.....lb. .10 - .11
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures unit-ton. No Prices
grd., 11-13% ammon., 15% bone phos., bgs., f.o.b. Balto..ton.43.00 - —
wet, acidulated, 6-7% ammon., 3-4% phosphor. acid, bulk, E. Cst. factories, contracts .....unit-ton. No prices
sardine, meal, Calif., 12-13% ammon., bgs., c.i.f. E. Cst. ports..unit-ton. No prices.
Japanese, 11¼% ammon., bgs., c.i.f. ports, shipt., No. 1 grade..ton.43.50 Nom.
Flake white, bbls., kgs.....lb. .09½- .10¼
Flaxseed, French, black, bgs..lb. .12 - .12½
Indian, blonde, bgs.....lb. .08½- .09
Fluorspar, enamel, 96-98%, bgs., ton.21.00 -25.00
standard, gravel, washed, 85 and 5%, dom., bulk, f.o.b. Ill., Ky. mines.. ton.18.00 Nom.
import., bulk, Atlantic ports, duty-paid..ton.22.50 Nom.
lump., 85 and 5%, dom., bulk, f.o.b. Ill., Ky., mines..ton.19.00 -20.00
powd., 97%, import., bgs., Atlantic ports, duty-paid..ton. No Prices
Formaldehyde, bbls., c.l. works, lb. .05¾- —
l.c.l., works.....lb. .06¼- —
dms., c.l., works.....lb. .05¼- —
l.c.l., works.....lb. .05¾- —
tanks, works.....lb. .04½- —
Fringetree bark, bls.....lb. .12 - .13
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines..ton.19.00 - —
import., bgs., c.l., ex dock.ton.23.00 - —
l.c.l., ex whse.....ton.30.00 - —
Furfural, refd., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs., works..lb. .10 - —
c.l., works.....lb. .13½- —
Fusel oil, refd., dms. incl., dlvd, lb. .16 - .18
Fustic extract, cryst., bbls...lb. .20 - .23
liquid, bbls.....lb. .08½- .09
solid, dms.....lb. .16 - .18

G

G salt, bbls.....lb. .45 - .47
Galangal root, bls.....lb. .08 - .09
Gall extract, bbls.....lb. .18 - .20
Gambier, common, bgs.....lb. No prices.
plantation, bgs.....lb. .09 Nom.
Cubes, Singapore, bgs.....lb. .07 - .08½
Extract, bbls.....lb. .08 - .10
Gasoline, at refinery:—
Bayonne, US motor, 62-63 octane, tanks..gal. .06½- —
65 octane, tanks.....gal. .06¾- —
above 65 octane, tanks.gal. .07 - —
California, 56-58, 375 e.p., tanks..gal. .07½- —
Gulf Coast, US motor, bulk, export..gal. .05½- —
60-62, 390 e.p., bulk, export, gal. .05¾- —
60-62, 400 e.p , bulk, export, gal. .05¼- —
64-66, 375 e.p., bulk, export, gal. .05¾- —
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .05½- .05¾
63-67 octane, tanks....gal. .06¼- .06¾
68-70 octane, tanks....gal. .06½- .06¾
Oklahoma-Texas, US motor, 62 octane and below, tanks..gal. .04½- .04¾
63-67 octane, tanks....gal. .04¾- .04¾
68-70 octane, tanks....gal. .05½- .05¾
60-62, 400 e.p., tanks....gal. .04¾- .04¾
64-66, 375 e.p., tanks....gal. .05 - .05¼
natural, 12-lb. v.p., tanks, gal. .06½- .06¼
14-lb. v.p., tanks.....gal. .06½- —
18-lb. v.p., tanks.....gal. .05 - .05½
22-lb. v.p., tanks.....gal. .04¾- .0495
26-76-lb. v.p., tanks...gal. .04¼- .04½
Pennsylvania, US motor, tanks, gal. .05¼- .07¼
52-54, 450 e.p., naphtha, tanks..gal. .05¾- —
60-62, 400 e.p., strt. run, tanks..gal. .05½- —

Gasoline, tankwagon and service station (Federal and State taxes included).

	T.W.	S.S.
Atlanta .....gal.	.205	.226
Boston .....gal.	.135	.155
Chicago .....gal.	.152	.174
Cincinnati .....gal.	.175	.185
Denver .....gal.	.19	.21
Louisville .....gal.	.18	.20
Minneapolis .....gal.	.158	.178
New Orleans.....gal.	.194	.23
New York.....gal.	.15	.182
San Francisco.....gal.	.17	.18

Gelatin, silver, cs.....lb. .50 - .55
Gelsemium root, bls.....lb. .12 - .13
Gentian root, bls.....lb. .11½- .12
grd., bbls., bxs.....lb. .13 - .14
powd., bbls., bxs.....lb. .14 - .15
Geraniol, cns.....lb. .75 - 3.00
Geranyl acetate, bots.....lb. 1.75 - 2.50
Ginger root, Africa, bgs.....lb. .14½- .15
Cochin, lemon, bgs.....lb. .18¾- .19¾
Jamaica, bold, bgs.....lb. .18 - .18½
grinding, bright, bgs....lb. .13¼- .13½
medium, bold, bgs.....lb. .13 - .13½
Japanese, bgs.....lb. .16 - .16½
Ginseng fibers, cs.....lb. 1.75 - 3.00
Root, cultivated, cs.....lb. 2.00 - 4.00
wild, Southern, cs.....lb. 6.00 - 7.00
Glauber's salt, anhyd. (see Soda sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.15
5 tons or over, works... 100 lbs. 1.05 - 1.25
less than 5 tons, works.. 100 lbs. 1.15 - 1.35
import., bgs.....100 lbs. 1.05 - 1.35
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
28/58, bgs., c.l., dlvd.....lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
38/82, bgs., c.l., dlvd.....lb. .13 - —
l.c.l., dlvd.....lb. .13½- —
48/108, bgs., c.l., dlvd....lb. .13½- —
l.c.l., dlvd.....lb. .14 - —
hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., dlvd. East. Midwest..lb. .15½- —
l.c.l., same basis.....lb. .16 - —
60/164, bgs., c.l., same basis..lb. .17 - —
l.c.l., same basis.....lb. .17½- —
67/192, bgs., c.l., same basis..lb. .18 - —
l.c.l., same basis.....lb. .18½- —
Glue, hide, calcimine type, 75/222, bgs., c.l., same basis..lb. .19 - —
l.c.l., same basis.....lb. .20 - —
83/251, bgs., c.l., same basis..lb. .20 - —
l.c.l., same basis.....lb. .21 - —
92/283, bgs., c.l., same basis..lb. .21 - —
l.c.l., same basis.....lb. .22 - —
102/315, bgs., c.l., same basis lb. .21½- —
l.c.l., same basis.....lb. .22½- —
113/347, bgs., c.l., same basis lb. .22½- —
l.c.l., same basis.....lb. .23½- —
125/379, bgs., c.l., same basis lb. .23½- —
l.c.l., same basis.....lb. .24½- —
Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, C.P., makers, cns., l.c.l. lb. .23½- .24½
resellers, cns., l.c.l.....lb. .28 - .30
dms., extra, c.l.....lb. .21½- —
l.c.l.....lb. .22 - .23
dynamite, dms., extra, c.l.....lb. .21¾- —
l.c.l.....lb. .23 - .25
saponification, basis 88%, dms. returnable, dlvd..lb. .17½- .18½
soaplye, basis 80%, dms. returnable, dlvd..lb. .16 - .17
yellow, distilled, dms. extra, c.l. lb. .21½- —
l.c.l.....lb. .21¾- .22½
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .20 - —
Stearate, dms.....lb. .35 - —
Gold, U.S. purchase price.....oz.35.00 - —
Chloride, acid, brown, bots..oz.21.75 -22.00
yellow, bots.....oz.19.75 -20.00
Gold-soda chloride, photo., bots. oz.13.00 - —
USP LX, bots.....oz.14.50 -14.75
Gold of pleasure seeds, bgs....lb. No stocks.
Golden seal root, bls.....lb. 2.85 - 2.90
powd., bxs.....lb. 3.10 - 3.15
Grains of paradise, bgs.....lb. .10 - .11
Graphite, flake (cryst.), 90% 325 mesh, 50% graphitic carbon, bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., 90% 325 mesh, 65% graphitic carbon, bgs., c.l., works..lb. .02½- —
bbls., c.l., works.....lb. .02¾- —
l.c.l., works.....lb. .03¼- —
80% graphitic carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04½- —
Grease, house, trcs.....lb. .07¾- .07¾
white, trcs.....lb. .07¾- .08¾
yellow, trcs.....lb. .07½- .07¾
Wool (see Adeps lanae and Degras)
Green, chrome, C.P., dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .20 - —
6-10%, bbls., same basis.lb. .21 - —
11-15%, bbls., same basis.lb. .22 - —
16-20%, bbls., same basis.lb. .22½- —
21-25%, bbls., same basis.lb. .23 - —
26-30%, bbls., same basis.lb. .23½- —
31-35%, bbls., same basis.lb. .24½- —
36-40%, bbls., same basis.lb. .26 - —
41-45%, bbls., same basis.lb. .27½- —
46-50%, bbls., same basis.lb. .29 - —
over 50%, bbls., same basis lb. .30 - —

Chrome and chrome oxide greens prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Cedar Rapids, Des Moines, Kansas City Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; 1½c. higher dlvd. Texas (El Paso, 2c.); for Denver, Pueblo, Salt Lake City, Wichita, Prices are f.o.b. Chicago.

reduced, C.P. color content up to 5%, bbls., same basis..lb. .05¾- —
6-10%, bbls., same basis.lb. .06½- —
11-13%, bbls., same basis.lb. .07 - —
14-16%, bbls., same basis.lb. .07¼- —
17-19%, bbls., same basis.lb. .07½- —
20-21%, bbls., same basis.lb. .07¾- —
22-23%, bbls., same basis.lb. .08 - —
24-25%, bbls., same basis.lb. .08¼- —
26-27%, bbls., same basis.lb. .08½- —
28-29%, bbls., same basis.lb. .09 - —
30-31%, bbls., same basis.lb. .09¾- —
32-33%, bbls., same basis.lb. .11 - —
34-35%, bbls., same basis.lb. .12 - —
36-40%, bbls., same basis.lb. .14 - —
41-45%, bbls., same basis.lb. .16 - —
46-50%, bbls., same basis.lb. .16½- —
51-55%, bbls., same basis.lb. .17 - —
56-60%, bbls., same basis.lb. .17½- —
61-65%, bbls., same basis.lb. .18 - —
66-70%, bbls., same basis.lb. .19 - —
71-75%, bbls., same basis.lb. .20 - —
chrome oxide, dom., pure, bbls., contract for open order, c.l., same basis as chrome CP.....lb. .18½- —
l.c.l. same basis.....lb. .19½- .21½
ceramic, light shades, bbls., c.l., works..lb. .28 - —
l.c.l., works.....lb. .30 - —
standard grade, bbls., works..lb. .18 - .20
import, bbls., kgs., f.o.b. N.Y..lb. .21 Nom.
Paris (see P)
Verdigris (see V)
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .06½- .10
Guaiac resin, cs.....lb. .35 - .40
strained, cs.....lb. .90 - 1.00
Wood, bls.....lb. .04 - .05
Guaiacol, liq., djns.....lb. 1.65 - 1.92
Carbonate, bxs., kgs.....lb. 2.15 - 2.40
Guarana, powd., cs.....lb. .65 - .70
Gum, aloe (see A)
Ammoniac, tears., cs.....lb. 1.05 - 1.10
Arabic, amber sorts, cleaned, bgs..lb. .06¾- .10
white, sorts, 1, bgs.....lb. .27 - .29
2, bgs.....lb. .25 - .26
powd., bbls.....lb. .13 - .14
Asafetida (see A)
Asphaltum (see A)
Benzoin, Siam, cs.....lb. 1.05 - 1.55
Sumatra, cs.....lb. .35 - Nom.
Camphor (see C)
Chicle, bgs.....lb. .35 - .40
Copal, Congo 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran...lb. .42¾- —
Copal, dammar, elemi, kauri, mastic, sandarac, and zacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.
2, cloudy white, bgs., c.l. same basis..lb. .26 - —
3, selected pale straw bold, bgs., c.l. same basis..lb. .18½- —
4, pale bold straw, bgs., c.l., same basis..lb. .16½- —
5, pale straw bold, bgs., c.l., same basis..lb. .13½- —
6, pale amber bold, bgs., c.l., same basis..lb. .12½- —

Gum, copal, Congo, 7, pale straw bold, bgs., c.l., same basis. lb. .13¾- —
8, light amber bold, bgs., c.l., same basis..lb. .10¼- —
9, medium light amber bold, bgs., c.l., same basis..lb. .07¾- —
10, rescraped hard amber bold, bgs; c.l., same basis lb. .09½- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .06¾- —
12, selected bold sorts, bgs., c.l., same basis..lb. .05¾- —
13, dark sorts bold, bgs., c.l., same basis..lb. .05½- —
14, selected, fully scraped ivory, bgs., c.l., same basis..lb. .17½- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .06¼- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .05¼- —
17, pale fingers, bgs., c.l., same basis..lb. .15¾- —
18, pale straw nubs, bgs., c.l., same basis..lb. .11 - —
19, pale straw nubs, bgs., c.l., same basis..lb. .10 - —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .06¼- —
21, ordinary selected nubs, c.l., same basis..lb. .09 - —
22, small mixed nubs, bgs., c.l., same basis..lb. .05½- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .09¾- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .13¾- —
25, No. 2 natural ivory nubs, bgs., c.l., same basis..lb. .05½- —
26, pale bold chips, bgs., c.l., same basis..lb. .05¾- —
27, pale small chips, bgs., c.l., same basis..lb. .05½- —
28, pale dust, bgs., c.l., bgs., same basis..lb. .04½- —
East India, Batu, bold scraped, bgs., c.l., same basis...lb. .08 - —
unscraped, bgs., c.l., same basis..lb. .04 - —
chips, bgs., c.l., same basis lb. .09¾- —
dust, bgs.,c.l.,same basis.lb. .05¾- —
nubs and chips, bgs., c.l., same basis..lb. .03¾- —
black, bold, scraped, bgs., c.l., same basis..lb. .06½- —
unscraped, bgs., c.l., same basis..lb. .04 - —
nubs and chips, bgs., c.l., same basis..lb. .04½- —
Hiroe Macassar, pale, bold bgs., c.l., same basis.lb. .12¾- —
chips, bgs., c.l., same basis..lb. .09½- —
dust, bgs., c.l.,same basis lb. .09¾- —
nubs, bgs., c.l., same basis..lb. .10¾- —
Singapore Rasak, bold, bgs., c.l., same basis..lb. .15½- —
chips, bgs., c.l., same basis lb. .04¾- —
dust, bgs.,c.l.,same basis.lb. .09¾- —
nubs,bgs.,c.l.,same basis.lb. .10 - —
Manila, Bocas, amber and dark, bakts., c.l., same basis..lb. .14 - —
light, bakts., c.l., same basis..lb. .13¾- —
Isba A, bakts., c.l., same basis..lb. .06¼- —
B,bakts.,c.l., same basis.lb. .06¾- —
C,bakts.,c.l., same basis.lb. .06¾- —
CNE, bakts., c.l., same basis..lb. .07½- —
D,bakts.,c.l., same basis.lb. .08 - —
DK, bakts., c.l., same basis lb. .06¾- —
DU, bakts., c.l., same basis lb. .06¾- —
dust,bakts.,c.l., same basis. lb. .05 - —
Sambas and white split chips, bakts., c.l., same basis..lb. .12¼- —
Singapore, dust, bakts., c.l., same basis..lb. .05 - —
spirit-soluble, CBB, bakts., c.l., same basis..lb. .06 - —
DBB,bakts., c.l., same basis lb. .07¾- —
MA, bakts., c.l.,same basis. lb. .06¾- —
MB, bakts.,c.l., same basis. lb. .06¼- —
WS, bakts.,c.l., same basis. lb. .06½- —
Philippine Manila amber sorts, bakts., c.l., same basis..lb. .07½- —
chips, pale, bakts., c.l., same basis..lb. .06¼- —
small, bakts., c.l., same basis..lb. .07¼- —
extra pale sorts, bakts., c.l., same basis..lb. .06½- —
nubs,bakts.,c.l.,same basis.. lb. .10¾- —
pale, scraped, bakts., c.l., same basis..lb. .11¾- —
seeds and dust, bakts., c.l., same basis..lb. .06¾- —
Pontianak, bold, genuine, bgs., c.l., same basis..lb. .14½- —
mixed, bgs.,c.l.,same basis lb. .13¼- —
chips,bgs.,c.l.,same basis..lb. .08¼- —
nubs,bgs.,c.l.,same basis..lb. .11½- —
split,bgs.,c.l.,same basis..lb. .12¾- —
Dammar, Batavia A, cs., c.l., same basis as copal..lb. .21¾- —
A/D, cs., c.l., same basis.lb. .16¾- —
A/B, cs., c.l., same basis.lb. .12¾- —
B, cs., c.l., same basis...lb. .20¾- —
C, cs., c.l., same basis...lb. .16¾- —
D, cs., c.l., same basis..lb. .13¾- —
dust, cs., c.l., same basis.lb. .05¾- —
E, cs., c.l., same basis...lb. .06¾- —
F, cs., c.l., same basis...lb. .05¾- —
Singapore, 1, cs, c.l., same basis..lb. .16¼- —
2, cs, c.l., same basis...lb. .13 - —
3, cs., c.l., same basis...lb. .05¾- —
chips, cs.,c.l., same basis.lb. .09¾- —
dust, cs., c.l., same basis.lb. .04¾- —
seeds, cs., c.l., same basis.lb. .07¾- —
Elemi, cns., c.l., same basis as copal..lb. .09¾- —
Ester, dms., 76,000 lbs., 1936 divd..lb. .06¼- —
c.l., single shipment, divd. lb. .05¾- —
l.c.l., 3,000 lbs., single shipment, divd..lb. .05½- —
smaller lots, divd.....lb. .06¾- —
Euphorbium, cs. .....lb. .17 - .19
Galbanum, cs.....lb. .95 - 1.00
Gamboge, pipe, cs.....lb. .55 - .60
powd., bbls. .....lb. .85 - .90
Ghatti, soluble, bgs.....lb. .11 - .15
superior bgs. .....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya XXX, bbls., bxs., dms. lb. .24 - .25
XX, bbls., bxs., dms.....lb. .16 - .17
1, bbls., bxs., dms.....lb. .09½- .10
2, bbls., bxs., dms.....lb. .06½- .09

Gum, kauri, brown, XXX, cs., c.l., same basis as copal..lb. .60 - —
BX, cs., c.l., same basis..lb. .33 - —
B1, cs., c.l., same basis..lb. .21 - —
B2, cs., c.l., same basis..lb. .15½- —
B3, cs., c.l., same basis..lb. .12 - —
80% chips, cs., c.l., same basis..lb. .09½- —
pale, XXX, cs., c.l., same basis..lb. .65 - —
1, cs., c.l., same basis..lb. .40 - —
2, c.s., c.l., same basis..lb. .22 - —
3, c.s., c.l., same basis..lb. .15 - —
Kino, tins .....lb. .70 - .80
Mastic, c.s., c.l., same basis as copal..lb. .37 - .38
Myrrh, USP, cs.....lb. .35 - .40
Olibanum, siftings, cs.....lb. .07 - .08
tears, cs. .....lb. .12 - .28
Opium (see O)
Rosin (see R)
Sandarac, cks, c.l., same basis as-copal..lb. .35 - .38
Scammony, cs.....lb. 1.10 - 1.15
Senegal, picked, bgs.....lb. .20 - .21
sorts, bgs. .....lb. .09¾- .10¼
Talha, bgs. .....lb. .05 - .06
Thus, bbls. .....280 lbs.11.50 Nom.
strained, bbls. .....280 lbs.11.50 Nom.
Tragacanth, Aleppo, 1, cs....lb. 2.25 - 2.50
2, cs. .....lb. 1.55 - 1.60
3, cs. .....lb. 1.50 - 1.65
4, cs. .....lb. 1.70 - 1.75
5, cs. .....lb. 1.50 - 1.55
Flake, bgs. .....lb. .50 - .75
Yacca, bgs., c.l., same basis as copal..lb. .06¼- —
powd., bgs., c.l., same basis,lb. .04½- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.21.15 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.27.15 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.15 - —
plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equaled..ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.15.70 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald. ton.12.50 - —
f.o.b. Acme, Tex.; Blue Rapids, Kans., Fort Dodge, Ia.; Grand Rapids Mich.; Gypsum, O.; New Brighton, N.Y.; Oakfield, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald. ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y., Southard, Okla., frt. equald..ton.12.00 - —
import., bgs., ex dock....ton.27.50 - —

H

Heliotropin, cryst., cns.....lb. 2.00 - 2.80
Hellebore, white, root, powd., bbls.lb. .10½- .11
Helonias root, bls.....lb. .37 - .38
Hematine crystals, bbls.....lb. .19 - .24
Hemlock extract, 25% tan.,bbls.lb. .03½- —
tanks .....lb. .02¾- —
Hempseed, Manchur, bgs.....lb. .03¾- .04¼
Henbane leaves, bls.....lb. .21 - .22
Henna leaves, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .09 - .10
Heptane, mixed, 77-115°C., dms., c.l., Group 3..al. .12 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .09¼- —
normal, 96-100°C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10¼- —
Hexalin, dms. .....lb. .80 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10¼- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .20 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .35 - —
150 to 1,350 lbs. shipments, same basis..lb. .36 - —
USP, dms., 500 lbs. or more shipments, same basis..lb. .46 - —
100 to 400 lbs. shipments, same basis..lb. .47 - —
Hexyl acetate, dms., c.l., f.o.b. dest..lb. .125 - —
l.c.l., f.o.b. dest.....lb. .13 - —
tanks, f.o.b. dest.....lb. .115 - —
Homatropine hydrobromide, bots., vls..oz.13.00 -13.50
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 2.75 - 2.85
Hops, dom., 1935 crop, bls....lb. .35 - .40
import., 1935 crop, bls.....lb. .05 - .85
Horehound, bls .....lb. .06½- .07
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, vls.....oz.17.00 -17.25
Hydrochloride, vls.....oz.17.00 -17.25
Sulphate, vls.....oz.19.00 -19.25
Hydrastis (see Golden seal).
Hydrogen, peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys.,E.of Miss. R.lb. .20 - —
W. of Miss. R.....lb. .21 - —
Hydroquinone, bbls., kgs.....lb. 1.10 - 1.15
Hyoscine hydrobromide, vls...oz.18.00 -18.25
Hyoscyamine, vls. .....oz.15.00 - —
Hydrobromide, vls. .....oz.15.00 - —
Sulphate, vls. .....oz.15.00 - —
Hypernic, liq., 51°, bbls.....lb. .15 - .20
solid, bxs. .....lb. .17 - .20

I

Iceland moss, bls.....lb. .12 - .13
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, nat., Bengal, bbls.....lb. 2.40 - —
synth., liq., bbls.....lb. .13 - .14
powd., bbls.....lb. 1.00 - —
Indol, CP, bots.....lb.34.00 -36.00
Insect flowers (see Pyrethrum).
Iodine, crude, kgs.....lb. .90 - —
resubl., kgs.....lb. 1.50 - 1.55
tincture, bbls.....gal. 1.90 - —
Iodoform, kgs., 100 lbs.....lb. 3.75 - 3.80
Ionone, bots.....lb. 3.25 - 4.00
Ipecac root, bgs.....lb. .87 - .88
powd., bxs. .....lb. .97 - .94

Irish moss, ordinary, bls.....lb. .11 - .12
powd., 80-90 mesh, bbls...lb. .22 - .30
prime, bleached, bls.....lb. .18 - .19
Iron acetate, CP, 17% solut.,bbls. lb. .03 - .04
Chloride, tech., cryst., bbls., kgs..lb. .05 - .08
USP, cryst., bbls.....lb. .07½- .08
solut., cbys.....lb. .06¼- .06½
Citrate, USP VIII, pearls, cns., lb. .72 - —
powd., cns.....lb. .84 - —
scales, cns.....lb. .77 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.85 - 2.90
syrup, djns.....lb. .37 - .38
Nitrate, comi., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - .50
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls,cns.lb. .54 - —
scales, cns.....lb. .59 - —
Ferrous, cns.....lb. .35 - —
Pyrophosphate, pearls, cns...lb. .59 - —
scales, cns.....lb. .64 - —
Reduced, 90%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas).
USP, cryst., bbls.....lb. .04¼- .04½
Iron-ammonia citrate, brown, gran., cns..lb. .37 - .38
pearls, cns.....lb. .37 - .38
scales, cns.....lb. .47 - .48
green, gran., cns.....lb. .37 - .38
pearls, cns.....lb. .37 - .38
scales, cns.....lb. .47 - .48
Oxalate, cryst., bbls., kgs...lb. .24½- .25½
Iron-potash oxalate, cryst., bbls., kgs..lb. .42 - .43
Iron-soda oxalate, cryst., bbls., kgs..lb. .24½- .25½
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .53 - —
Isopropanol, see Alcohol, isopropyl.
Isopropyl acetate, dms., c.l., frt. alld..lb. .07¼- —
l.c.l., frt. alld.....lb. .08 - —
tanks, frt. alld.....lb. .06¼- —
Alcohol (see Alcohol).
Ether, dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
tanks .....lb. .06 - —

J

Jaborandi leaves, bls.....lb. .10 - .11
Jalap root, NF, bls.....lb. .15 - .23
powd., bbls., bxs.....lb. .20 - .22
Juniper berries, bgs.....lb. .04¾- .05¼

K

Kamala, tins .....lb. .44 - .45
Kava kava root, bls.....lb. .16 - .18
Kerosene, at refinery:—
Bayonne,41-43 w.w.,tanks,gal. .04¾- —
Gulf ports,p.w.,bulk,export.gal. .03½- —
w.w., bulk, export.....gal. .04¼- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .03¾- .04
Oklahoma-Texas, 41-43 w.w. tanks..gal. .03¼- .03¾
42-44 w.w., tanks.....gal. .03½- .03¾
Pennsylvania, 45 w.w., tanks. gal. .04¾- .04¾
46 w.w., tanks.....gal. .04¾- .05
47 w.w., tanks.....gal. .05 - .05½
Kerosene, tankwagon:—
Atlanta .....gal. .13 - —
Boston .....gal. .096 - —
Chicago .....gal. .101 - —
Cincinnati .....gal. .125 - —
Denver .....gal. .11 - —
Louisville .....gal. .10 - —
Minneapolis .....gal. .090 - —
New Orleans.....gal. .13 - —
New York.....gal. .07¼- —
San Francisco.....gal. .115 - —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .06 - .06½

L

Lady slipper root, bls.....lb. .40 - .42
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs.13.00 -13.25
Middlewestern, trcs....100 lbs.12.80 -12.90
Western, choice, trcs..100 lbs.12.90 -13.00
Compound, trcs.....100 lbs.12.50 -12.75
Neutral, trcs .....100 lbs.13.25 -13.50
Larkspur seed, bgs.....lb. .25 - .26
Laurel berries, bls.....lb. .09 - .10
Leaves, Ital., bls.....lb. .05 - .05¼
Lavender flowers, ordinary, bls.lb. .40 - .42
select, bls.....lb. .63 - .75
Lead acetate, white, broken, bbls...lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, dms., c.l., dealers, E. of Rockies..lb. .09¼- —
jobbers, E. of Rockies..lb. .09 - —
W. of Rockies.....lb. .09 - —
l.c.l., consumers, W. of Rockies..lb. .10¼- —
l.c.l., dealers, E. of Rockies, 1,000 lbs. or over..lb. .09¾- —
101-999 lbs.....lb. .10¾- —
100 lbs. or less.....lb. .11¾- —
W. of Rockies.....lb. .09¾- —
jobbers, E. of Rockies..lb. .09¾- —
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.
Blue, basic sulphate, bbls., c.l., divd.; E..lb. .08 - —
divd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .09¼- —
l.c.l., divd. E.....lb. .09¼- —
divd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .09¼- —
Carbonate (see Lead, white).
Chloride, pure, bxs.....lb. .49 - .50
Iodide, jars.....lb. 2.25 - 2.40
Linoleate, pale, precip., dms.lb. .18 - —
Metal (see daily quotations in market report)
paste, 200-lb. cont., f.o.b. works..lb. .20¼- —
Nitrate, bbls.....lb. .80 - .89½
Oleate, bbls.....lb. .15 - —
Peroxide, cns., works.....lb. .42 - .47

Gum, Copal—Lime

Lead, red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), divd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0785- —
other points.....lb. .0770- —
l.c.l., 5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash., lb. .08¼- —
divd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.lb. .08¾- —
Colo., Mont., N. Mex., Wyo.....lb. .08½- —
other points.....lb. .08 - —
smaller lots, divd. Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
97%, Pb_3O_4, bbls., c.l. (20 tons) divd. Ala., etc.lb. .0820- —
other points.....lb. .0795- —
l.c.l., 5 tons, divd. Ala., etc..lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .09¼- —
other points.....lb. .08¼- —
smaller lots, divd. Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09½- —
other points.....lb. .08¾- —
98% Pb_3O_4, bbls., c.l. (20 tons) divd. Ala., etc.lb. .0845- —
other points.....lb. .0820- —
l.c.l., 5 tons, divd. Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
smaller lots, divd. Ala., etc..lb. .09½- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
other points.....lb. .09 - —
in oil, steel kegs, 1,000 lbs..lb. .10¼- —
500 lbs.....lb. .11 - —
smaller lots.....lb. .12 - —
Resinate, fused, bbls.....lb. .09 - .19
precip., bbls.....lb. .14 - —
Stearate, bbls.....lb. .22 - .28
Sulphate (see Lead, white)
Titanate, bbls., c.l., f.o.b. works, frt. alld..lb. .10 - —
l.c.l., 5 tons, one delvy, divd. lb. .10¾- —
smaller lots.....lb. .10¾- —
White, dry, basic carbonate, bbls., c.l., divd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07 - —
other points.....lb. .06¾- —
l.c.l. divd. Ariz., etc..lb. .07¼- —
other points.....lb. .07 - —
Basic sulphate, bbls., c.l., divd. Ariz., etc..lb. .06¼- —
other points.....lb. .06 - —
l.c.l. divd. Ariz., etc.lb. .06½- —
other points.....lb. .06¼- —
in oil, 100-lb. kgs., 1,000 lbs., divd..lb. .10 - —
500 lbs., divd.....lb. .10½- —
smaller lots, divd.....lb. .11½- —
Lemon peel, bls.....lb. .09 - .10
Licorice extract, mass, cs.....lb. .17 - .18
powd., bbls.....lb. .27 - .29
Root, bls.....lb. .04½- .05
powd., bbls., bxs.....lb. .07 - .09
select, bndls., cs.....lb. .20 - .21
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa.....ton. 7.00 - —
† Berkeley, W. Va....ton. 7.00 - —
California, northern..ton.12.85 - —
southern .....ton.11.25 - —
Cedar Hollow, Pa...ton. 8.00 - —
Chicago .....ton. 7.25 - —
Crab Orchard, Tenn.ton. 6.25 - —
Dallas, Texas.....ton. 8.50 - —
Durbin, Ohio.....ton. 6.50 - —
Eagle Mountain, Va.ton. 6.25 - —
Easton, La.....ton. 7.50 - —
Farnams, Mass.....ton. 7.50 - —
Gibsonburg, Ohio...ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Ten.....ton. 6.25 - —
Leroy, Minn.....ton. 8.00 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 7.00 - —
Marble Cliff, Ohio...ton. 6.50 - —
Marblehead, Ohio....ton. 7.00 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich....ton. 7.50 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Petosky, Mich.....ton. 8.00 - —
Port Island, Mich...ton. 7.50 - —
Ripplemead, Va.....ton. 6.25 - —
Riverton, Va.....ton. 6.25 - —
Scioto, Ohio.....ton. 6.00 - —
Sheboygan, Wis.....ton. 7.00 - —
Sherwood, Wis.....ton. 7.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
hydrated, paper bags, f.o.b. Bellefonte, Pa..ton. 8.50 - —
Berkeley, W. Va....ton. 8.50 - —
Buffalo .....ton.11.00 - —
California, northern..ton.14.75 - —
southern .....ton.18.75 - —
Cedar Hollow, Pa...ton. 8.50 - —
Chicago .....ton. 9.50 - —
Crab Orchard, Tenn.ton. 9.00 - —
Dallas, Tex.....ton.12.00 - —
Durbin, Ohio.....ton. 8.00 - —
Eagle Mountain, Va.ton. 8.50 - —
Easton, La.....ton. 9.00 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Marble Cliff, Ohio...ton. 8.00 - —
Marblehead, Ohio....ton. 9.00 - —
Martinsburg, W. Va.ton. 8.50 - —
Milltown, Ind.....ton.12.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Pelham, Ala.....ton. 9.00 - —
Petosky, Mich.....ton. 9.00 - —
Port Island, Mich...ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 8.00 - —
Riverton, Va.....ton. 9.00 - —

Lime—Oil, Anise

Lime, chemical, hydrated, paper bags, f.o.b. Scioto, Ohio. ton. 8.00 - —
Sherwood, Wis.....ton. 9.00 - —
Siluria, Ala.....ton. 9.00 - —
Springfield, Mu.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
spray, paper bgs., f.o.b. Bellefonte, Pa..ton. 9.00 - —
Durbin, Ohio.....ton. 9.00 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton.11.00 - —
Marble Cliff, Ohio...ton.11.00 - —
Marblehead, Ohio....ton.11.00 - —
Mitchell, Ind.....ton. 9.00 - —
Scioto, Ohio.....ton. 9.00 - —
Sherwood, Wis.....ton. 9.00 - —
Woodville, Ohio.....ton.11.00 - —
Salts (see Calcium)
Lime-sulphur, dry, bgs.,consumer, dlvd. Ore..lb. .06¼- .06½
Idaho, Utah, and W. Mont..lb. .07¼- .07½
Wash, (excepting Ferry, Lincoln, Pend-Oreille, Spokane, Stevens, and Whiteman counties)..lb. .06½- .06¾
dealers,dlvd.E. of Rockies, except Fla..lb. .07¾- .08¼
Ore. .....lb. .05¾- —
Idaho, etc.....lb. .06¾- —
Wash. (as above)...lb. .06 - —
jobbers, dlvd. E. of Rockies, except Fla..lb. .07¼- .08¼
Ore. .....lb. .05½- —
Idaho, etc.....lb. .06½- —
Wash. (as above)...lb. .05¾- —
dms., dealers, dlvd. E. of Rockies, except Fla..lb. .11 - .12
Fla. .....100 lbs. 1.90 - 2.00
jobbers,dlvd.E. of Rockies, except Fla..lb. .10½- —
Lime-sulphur solution, dms., dealers, dlvd. Del. Ill., Ind., Ia., Ky., Md., Mich., Minn., Mo., N.E. States, N. J., N.Y., N.C., (Allegheny, Ashe, Rockingham, Stopes and Surry counties), Ohio, Pa., Tenn. (W. of Tenn. R.), Va., W. Va., Wis..gal. .13 - .16
jobbers, same basis...gal. .12¼- .13
tanks, 4,000 gals, min., dealers, dlvd. Del., etc..gal. .11 - —
jobbers, same basis...gal. .10½- —
Linalool, cns.....lb. 1.90 - 2.10
Linalyl acetate, bots.....lb. 1.50 - 2.25
Linden flowers, with leaves,bls.lb. .15 - .16
without leaves, bls.....lb. .17 - .18
Linseed cake, bgs., export....ton.32.00 - —
Meal, 32%, dom., bgs.....ton.41.00 - —
Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .0695- —
other points.....lb. .0670- —
5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .07¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.lb. .07¾- —
Colo., Mont., N. Mex., Wyo..lb. .07½- —
other points.....lb. .07 - —
smaller lots, dlvd., Ala., etc..lb. .07¾- —
Ariz., etc.....lb. .08¼- —
Colo., etc.....lb. .08 - —
other points.....lb. .07½- —
Lithium bromide, jars.....lb. 1.70 - 1.75
Carbonate, bbls.....lb. 1.25 - 1.30
Chloride, bbls.....lb. 1.65 - 2.00
Citrate, bbls.....lb. 1.40 - 1.50
Iodide, bots., jars.....lb. 4.70 - 4.75
Fluoride, bbls.....lb. 2.00 - 2.50
Lithopone,dom.,high-strength,bgs., 1,000 lbs., dlvd. E. or ex whse. Pac. Cst.....lb. .05¾- —
smaller lots, same basis.lb. .06 - —
bbls., 1,000 lbs., same basis, lb. .06 - —
smaller lots, same basis.lb. .06¼- —
ordinary, bgs., 1,000 lbs., same basis..lb. .04¼- —
smaller lots, same basis.lb. .04½- —
bbls., 1,000 lbs., same basis..lb. .04½- —
smaller lots, same basis lb. .04¾- —
titanated, bgs, 1,000 lbs., same basis..lb. .05¾- —
smaller lots, same basis.lb. .06 - —
bbls., 1,000 lbs., same basis, lb. .06 - —
smaller lots, same basis.lb. .06¼- —
import., bbls., ex dock.....lb. No price
Liverwort leaves, bls.....lb. .18 - .19
Lobelia herb, bls.....lb. .13 - .15
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls.lb. .16 - .20
liquid, 51°, bbls.....lb. .08½- .10½
solid, bxs.....lb. .13½- .17
Sticks, Haitian, shipt.....ton.24.00 -25.00
Lovage root, dom., bls.....lb. .55 - .65
import, bls.....lb. .30 - .32
Lupulin, N.F., tins.....lbs. 1.45 - 1.50
Lycopodium, cs.....lb. 1.00 - 1.10

M

Mace, Banda, cs.....lb. .62 - .64
Batavia, cs. .....lb. .48 - .49
Slauw 1, cs.....lb. .54 - .55
Madder, Dutch, bgs.....lb. .22 - .25
Magnesia arsenate, bgs.....lb. .18 - .20
Calcined, dom.,-four-hour,including activator, ctns., 10,000 lbs. or over, f.o.b. Plymouth Meeting, Pa.. frt. alld. to Balto., Bost., N. Y., Phila..lb. .27 - —
1,000-10,000 lbs., same basis..lb. .28½- —
less than 1,000 lbs., same basis..lb. .30 - —
tech., heavy, bbls., f.o.b. Plymouth Meeting, Pa., frt. alld. to Balto., Bost., N. Y., Phila..lb. .28 - —
1-lb. pkgs., same basis.lb. .38 - —
light, bbls., same basis.lb. .23 - —
1-lb tins, same basis.lb. .33 - —
USP, heavy, bbls., same basis..lb. .30 - —
1-lb. pkgs., same basis.lb. .40 - —
special, bbls., same basis, lb. .27 - —
super light, bbls., same basis..lb. .30 - —
import., heavy, pharm., bbls. lb. .50 - —
light, extra, bbls.....lb. .36 - .40
standard, bbls.....lb. .30 - —
Magnesia, carbonate, tech., bgs., c.l., works..lb. .06 - .06½
USP, bbls., c.l.....lb. .08½- .09
Chloride, flake, dom., bbls., works..ton.36.00 -39.00
Hypophosphite, cns.....lb. 1.45 - 1.50
Oxide (see Calcined)
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works.lb. 1.00 - 1.95
Silicate (see Talc)
Silicofluoride, bbls.....lb. .09½- .10½
Stearate, bbls., ctns., c.l....lb. .21 - —
1 ton .....lb. .22 - —
1,000-2,000 lbs.....lb. .23 - —
smaller lots.....lb. .24 - —
Sulphate (see Epsom salt)
Magnesite,cal., import., bbls.ton.60.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash...ton.22.00 - —
Malva flowers, black, bls.....lb. .40 - .42
Blue, bls. .....lb. .45 - .50
Leaves, bls. .....lb. .11 - .12
Manaca root, bls.....lb. .20 - .21
Mandrake root, bls.....lb. .09½- .10
Manganese acetate, dms.....lb. .25½- .26½
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Chloride, bbls. .....lb. .07¼- .08
Dioxide, Caucasian, 85-90%, cake., c.l., works..ton.51.50 - —
l.c.l., 5 tons, works..ton.54.50 - —
smaller lots, works.ton.59.50 - —
burlap bgs.,c.l., works.ton.49.50 - —
l.c.l., 5 tons, works..ton.52.50 - —
smaller lots, works.ton.57.50 - —
paper bgs., c.l., works.ton.47.50 - —
l.c.l., 5 tons, works.ton.50.50 - —
smaller lots, works.ton.55.50 - —
Glycerophosphate, bbls., cans, 100 lbs..lb. 2.00 - 2.65
Hydrate, bbls., dlvd.....lb. .80 - —
Iodide, bots., jars.....lb. 5.10 - 5.15
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .17½- .19
Ore, 52% basis, bbls., c.l.f. Atl. pts..unit-ton. .26 - .27
Resinate, fused, 3½%, bbls..lb. .08¼- .09¼
precip., dms.....lb. .12 - —
Sulphate, anhyd.,bbls.,works.lb. .07 - .07½
cryst., 45% $MnSO_4$, bgs., c.l., dlvd. South.....ton.48.75 - —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .03½- —
smaller lots, works..lb. .04 - —
Mangrove bark, bgs., shipmt., ton.25.50 -26.00
Extract, 55%, bgs.....lb. .04 - —
Manna, flake, large, cs.....lb. .40 - .41
small, cs.....lb. .24 - .25
Mannitol, pure, cryst., cs., works lb. 1.48 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bbls.....lb. .17 - .17½
Tunisan, bls.....lb. .16½- .17
Matico leaves, bls.....lb. .29 - .30
Menthol, cs.....lb. 3.10 - 3.20
synthetic, cs.....lb. 2.25 - 2.50
Menthyl salicylate, tins, 100 lb. lots..lb. 3.00 - —
25 lb., lots.....lb. 3.10 - —
Mercurial ointment, 30%, cns..lb. .82 - —
50%, cns.....lb. 1.19 - —
Mercury (see Quicksilver)
Bichloride (see Corrosive sublimate)
Bisulphate, kgs.....lb. 1.33 - —
Chloride (see Calomel)
Iodide, red, kgs., jars.....lb. 3.55 - 3.60
Yellow, kgs., jars.....lb. 3.65 - 3.70
Nitrate ointment (see Citrine ointment)
Oxide, black, dms., kgs.....lb. 3.85 - —
Red, N.F. (see Red precipitate) tech. (see Red, mercury oxide)
Yellow, dom., tech., bbl....lb. 1.39 - —
USP, dms., kgs.....lb. 1.81 - —
Mercury and chalk, kgs.....lb. .90 - .91
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
Composition, 5½x5½ in.pkg. 1.65 - 1.90
Gold,XX deep,3⅜x3⅜ in.pkg.14.50 -15.00
3⅜x3⅜ in.....pkg.16.00 -16.50
4x4 in.....pkg.18.50 -19.00
3⅜x5⅛ in.....pkg.21.50 -22.00
3⅜x5⅛ in.....pkg.23.50 -24.00
Silver, 3⅜x3⅜ in.....pkg. 2.50 - 2.75
Metanitroanilin, kgs.....lb. .67 - .69
Metanitroparatoluidin, bbls....lb. 1.40 - 1.45
Metaphenylenediamine, kgs....lb. .82 - .84
Metatoluylenediamine, kgs.....lb. .67 - .69
Methanol, natural, denat. grade, dms., c.l., frt. alld....gal. .53 - —
tanks, frt. alld.....gal. .48 - —
contracts, frt. alld....gal. .45 - —
95%, dms., c.l., Zone 1, frt. alld..gal. .37½- —
2, frt. alld.....gal. .39½- —
3, frt. alld.....gal. .40½- —
4, frt. alld.....gal. .42½- —
5, frt. alld.....gal. .42½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .40 - —
2, frt. alld. or dlvd..gal. .44½- —
3, frt. alld. or dlvd..gal. .43 - —
4, frt. alld. or dlvd..gal. .58 - —
5, frt. alld. or dlvd..gal. .49½- —
tanks, Zone 1, frt. alld..gal. .33 - —
2, frt. alld.....gal. .64½- —
3, frt. alld.....gal. .36½- —
4, frt. alld.....gal. .36½- —
5, frt. alld.....gal. .36½- —
97%, dms., c.l., Zone 1, frt. alld..gal. .38½- —
2, frt. alld.....gal. .40½- —
3, frt. alld.....gal. .41½- —
4, frt. alld.....gal. .43½- —
5, frt. alld.....gal. .43½- —
Methanol, natural, 97%, dms., l.c.l., Zone 1, frt. alld. or dlvd..gal. .41 - —
2, frt. alld. or dlvd..gal. .45½- —
3, frt. alld. or dlvd..gal. .44 - —
4, frt. alld or dlvd..gal. .50 - —
5, frt. alld. or dlvd..gal. .50½- —
tanks, Zone 1, frt. alld..gal. .34 - —
2, frt. alld.....gal. .35½- —
3, frt. alld.....gal. .37½- —
4, frt. alld.....gal. .37½- —
5, frt. alld.....gal. .37½- —
pure, dms., c.l., Zone 1, frt. alld..gal. .40 - —
2, frt. alld.....gal. .42 - —
3, frt. alld.....gal. .43 - —
5, frt. alld.....gal. .45½- —
6, frt. alld.....gal. .45 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .42½- —
2, frt. alld. or dlvd..gal. .47 - —
3, frt. alld. or dlvd..gal. .45½- —
4, frt. alld. or dlvd..gal. .61 - —
5, frt. alld. or dlvd..gal. .52 - —
tanks, Zone 1, frt. alld..gal. .36½- —
2, frt. alld.....gal. .37 - —
3, frt. alld.....gal. .39 - —
4, frt. alld.....gal. .39 - —
5, frt. alld.....gal. .39 - —
Methanol prices, bbls., 2½c. gal. more than drums.
Methanol, synthetic, guaranteed 99.5%, dms., c.l., Zone 1, frt. alld..gal. .40 - —
2, frt. alld.....gal. .42 - —
3, frt. alld.....gal. .43 - —
4, frt. alld.....gal. .45½- —
5, frt. alld.....gal. .45 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .42½- —
2, frt. alld. or dlvd..gal. .47 - —
3, frt. alld. or dlvd..gal. .45½- —
4, frt. alld. or dlvd..gal. .61 - —
5, frt. alld. or dlvd..gal. .52 - —
tanks, Zone 1, frt. alld..gal. .35½- —
2, frt. alld.....gal. .37 - —
3, frt. alld.....gal. .39 - —
4, frt. alld.....gal. .39 - —
5, frt. alld.....gal. .39 - —
Methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Col., Mont., Nev., Idaho, Ore., Utah, Wash.; Zone 5, N. Mex., Texas, Wyo.
Methyl acetate, 99%, dms., c.l.; frt. alld. E. of Rockies..lb. .16 - —
W. of Rockies.....lb. .16½- —
l.c.l., frt. alld. E. of Rockies..lb. .17 - —
W. of Rockies.....lb. .17½- —
82%, dms., c.l., frt. alld. E. of Rockies..lb. .13 - —
W. of Rockies.....lb. .13½- —
l.c.l., frt. alld. E. of Rockies..lb. .14 - —
W. of Rockies.....lb. .14½- —
Acetoacetate, dms., l.c.l., frt. alld..lb. .37 - —
Acetone, dms., c.l., contracts, Zone 1, frt. alld..lb. .45½- —
2, frt. alld.....gal. .47½- —
3, frt. alld.....gal. .48¼- —
4, frt. alld.....gal. .51 - —
5, frt. alld.....gal. .50½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .48 - —
2, frt. alld. or dlvd....gal. .52½- —
3, frt. alld. or dlvd....gal. .51 - —
4, frt. alld. or dlvd....gal. .65½- —
5, frt. alld. or dlvd....gal. .58½- —
tanks, contracts, Zone 1, frt. alld..gal. .41 - —
2, frt. alld.....gal. .42½- —
3, frt. alld.....gal. .44½- —
4, frt. alld.....gal. .44½- —
5, frt. alld.....gal. .44½- —
Methyl acetone in bbls. 2½c. per gal. more, in all brackets. The sales zones are: Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me. Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, L. A. and San Fran., Cal.; Portland, Ore.; Seattle, Wash.; Zone 4, Ariz, Col., Mont., Nev., Idaho, Ore., Utah and Wash.; Zone 5, N. Mex., Tex., Wyo.
Synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies, gal. .52½- —
2, frt. alld. E. of Rockies, gal. .54½- —
3, Pacific coast.....gal. .55½- —
l.c.l., Zone 1, frt. alld. E. of Rockies..gal. .55 - —
2, frt. alld. E. of Rockies, gal. .59½- —
3, Pacific coast.....gal. .58 - —
tanks, Zone 1, frt. alld. E. of Rockies..gal. .48 - —
2, frt. alld. E. of Rockies, gal. .49½- —
3, Pacific coast.....gal. .51 - —
Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Col., Mont., Nev., Idaho, Ore., Utah, Wash.; Zone 5, N. Mex., Texas, Wyo.
Alcohol (see Methanol).
Anthranilate, bots.....lb. 1.95 - 2.05
Benzoate, bots.....lb. .70 - 1.00
Chloride, cylrs.....lb. .37 - .43
Cinnamate, bots.....lb. 3.00 - 3.75
Formate, dms.....lb. .35 - .36
Iodide, bots., jars.....lb. 5.80 - 5.85
Salicylate, dms.....lb. .40 - .43
tins .....lb. .42 - .45
Violet toner, bbls. (500 lbs.)..lb. .40 - —
smaller lots.....lb. .42 - —
permanent, bbls.....lb. .80 - —
Methylanthraquinone, bbls.....lb. .80 - .83
Methylene, blue, medicl., kgs..lb. 2.00 - 2.25
Methylheptenone, bots.....lb. 2.50 - 3.00
Methylheptin carbonate, bots..lb.27.50 -44.00
Methylhexyl ketone, dms., tech., wks..lb. .60 - —
Methylisobutyl ketone, dms., c.l. wks..gal. .76 - —
l.c.l. wks.....gal. .80 - —
tanks, wks.....gal. .70 - —
Methylpropyl carbinol (see Carbinol).
Metronite pigment, 120 mesh, containers extra. c.l., f.o.b. Milwaukee..ton. 8.00 - —
l.c.l., same basis.....ton.10.00 - —
180 mesh, containers extra, c.l., same basis..ton.10.00 - —
l.c.l., same basis.....ton.12.00 - —
250 mesh, containers extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.17.00 - —
l.c.l., same basis.....ton.19.00 - —
Mica, dry-grd., plastic, No. 100, 46 mesh, bgs.,c.l., works.ton.35.00 - —
l.c.l., works.....ton.43.75 - —
second grade, bgs., c.l., works.....ton.33.00 - —
l.c.l., works.....ton.41.25 - —
250, 160 mesh, bgs., c.l., works..ton.40.00 -50.00
l.c.l., works.....ton.40.00 -50.00
second-grade, bgs., c.l., works..ton.23.90 -30.00
l.c.l., works.....ton.29.90 -47.50
200, 140 mesh, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
roofing, bgs., c.l., works..ton.23.50 -30.00
l.c.l., works.....ton.30.00 -37.50
wet-grd., 160 mesh, pure white, bgs., c.l., dlvd., E. of Miss. R...100 lbs. 4.50 - —
W. of Miss. R...100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 4.50 - —
standard, bgs., c.l., works, frt. alld. E. of Miss R. 100 lbs. 3.50 - —
W. of Miss. R.100 lbs. 4.00 - —
l.c.l., works.....100 lbs. 3.50 - —
Michler's ketone, kgs.....lb. 2.50 - —
Milk powder, skimmed, roller, bbls., c.l..lb. .10¼- —
l.c.l. .....lb. .11¼- —
spray, bbls., c.l.....lb. .11 - —
l.c.l. .....lb. .12 - —
unskimmed, roller, bbls., c.l.lb. .21½- .22
l.c.l. .....lb. .22 - .22½
spray, bbls., c.l.....lb. .21½- .22
l.c.l. .....lb. .22 - .22½
Millet seed, bgs.....lb. .03½- .04
hulled, bgs.....lb. .06½- .07
Mineral spirits (see Petroleum thinner and V. M. & P. naphtha).
Molasses, blackstrap, tanks..gal. .07¼- —
New Orleans.....gal. .07 - —
Molybdenum metal, 98%, powd., kgs..lb. 1.80 - 2.15
Monoamylamine, dms., l.c.l., works..lb. 1.00 - —
Monochlorobenzene, dms.....lb. .06 - .06½
Monoethylanilin, dms.....lb. .77 - .79
Monomethyl para-aminosulphate, dms..lb. 3.75 - 4.00
Morphine, cns.....oz.10.00 -10.95
Acetate, bots.....oz. 8.80 - 8.85
Ethylhydrochloride, vis.....oz.10.50 -10.55
Hydrobromide, cns.....oz. 8.70 - 8.75
Sulphate, cns.....oz. 8.75 - 8.80
Mullein flowers, cns.....lb. .85 - .90
Leaves, bls.....lb. .07 - .08
Musk, nat., Cabardine, grained, bots..oz. No stocks
pods, bots.....oz. No stocks
Tonquin, grained, bots.....oz.21.00 -22.00
pods, bots.....oz.14.50 - —
synth., ambrette, cns.....lb. 4.20 - —
Ketone, cns.....lb. 4.35 - —
Xylol, 100%, cns.....lb. 1.25 - —
Musk Root, bls.....lb. .09 - .10
Mustard seed, Bombay, brown, bgs..lb. .07 - .07½
California, brown, bgs.....lb. .06½- .07
yellow, bgs.....lb. No stocks
Chinese, yellow, bgs.....lb. .05¼- .05¾
Danish, yellow, bgs.....lb. .08 - .08½
Dutch, yellow, bgs.....lb. .07½- .08
English, yellow, bgs.....lb. .08¾- .09¼
Hungarian, yellow, bgs.....lb. .07½- .08
Montana, brown, bgs.....lb. .07¾ Nom.
yellow, bgs.....lb. .07 - .07½
Roumanian, yellow, bgs....lb. .06½- .07
Myrobalans, J1, bgs., shipt...ton.22.00 - —
J2, bgs., shipt.....ton.14.25 - —
R2, bgs., shipt.....ton.14.00 - —
Extract, liquid, 25%, bbls....lb. .04¼- —

N

Naphtha hydrogenated (see Petroleum naphtha, high solvency).
Painters' (see Petroleum naphtha, V.M.&P.).
Solvent (see S).
Naphthalene, crude, dom., bgs., works..100 lbs. 3.00 Nom.
import., 74-78% bgs., Atlantic ports..100 lbs. 3.00 Nom.
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07¼- —
cs., same basis.....lb. .07½- —
pkgs, (16 oz.), same basis. lb. .08 - —
(12 oz.), same basis..pkg. .06¼- —
chipped, crushed, bbls., same basis..lb. .06¼- —
rice, cryst., powd., bbls., same basis..lb. .07¼- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - —
Chloride, bbls.....lb. .18 - .19¼
kgs. .....lb. .21 - .22
Oxide, black, bbls.....lb. .35 - .38
Salt, double, bbls.....lb. .13 - .13¼
single, bbls.....lb. .13 - .13¼
Nicotine, 50%, cns.....8 lbs. 8.25 -10.15
Sulphate, 10-lb. cns.....lb. .76½- 1.06¼
5-lb. cns.....lb. .94 - 1.17
dms. .....lb. .75 - .80
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., l.c.l..lb. .09 - —
l.c.l .....lb. .11 - —
tanks .....lb. .08½- —
Nitrocellulose, alcohol-soluble, ½, and 40, sec. vis., bbls., works..lb. .28 - —
bronzing, 30, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester-soluble, ¼, ½, 5-6, 15-20 sec. and higher vis., bbls., works..lb. .26 - —
lacquer, 20-30 and 60-80 sec. vis., bbls., works..lb. .29 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable. A contract price of 25c. is standard for consumers of 10,000 pounds of nitrocellulose a year.
Nitrogen solution, 45½% ammon., tanks, f.o.b. Atlantic and Gulf ports Dec.-June unit-ton. 1.04 - —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., 1936 shipt..unit-ton. 2.75 - 2.85
Chemical, Ill..unit-ton. 3.00 - Nom.
East Coast producing points..unit-ton. 3.25 - —
import., bgs., c.l.f. Atlantic ports, shipt..unit-ton. 3.10 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitrotoluene, mixed, dms.....lb. .10½- .11
Nutgalls, Aleppo, bgs., cs.....lb. .20 - .22
Chinese, shipmmt., cs.....lb. .20 - .22
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .19 - .19½
110s, bgs., cs.....lb. .17½- .18
West Indian, bgs.....lb. .16 - .16½
Nux vomica, bls.....lb. .06 - .07
powd., bbls., bxs.....lb. .07½- .08

O

Oakbark extract, 25% tan., bbls. lb. .03½- —
tanks .....lb. .02¾- —
Ocher (see Yellow).
Octanes, 100-140° C., mixed, dms., c.l., G.3..gal. .11 - —
l.c.l., G.3.....gal. .15 - —
tanks, G.3 .....gal. .08½- —
Octyl acetate, dms., c.l.,works.lb. .16 - —
l.c.l., works.....lb. .17 - —
small lots, works.....lb. .20 - —
tanks, works .....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 2.75 - 3.00
s.p.a., bots.....lb. 3.00 - 3.25
sweet, true, exp., cns.....lb. .75 - .80
Amber, crude, cns.....lb. .20 - .21
refd., cns.....lb. .52 - .57
Amyris, cns.....lb. 2.70 - 2.75
Angelica root, bots.....lb.64.00 -75.00
Seed, bots.....lb.72.00 -90.00
Anilin (see A)
Anise, USP, cns., dms.....lb. .85 Nom.

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Oil, Apricot—Petrolatum

Oil, apricot kernel, dom., dms., frt. alld..lb. .23½- .26
spot .....lb. .26 - .28
Russian, dms.....lb. .19 - .20
Babassu, tanks, March.....lb. .09¾- —
Bay, W.I., cns.....lb. 1.30 - 1.50
Bergamot, artif., cns.....lb. 1.00 - 1.30
natural, coppers.....lb. 2.85 - 3.00
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birch tar, crude, dms.....lb. .14 - .17
rectifd., cns.....lb. .75 - .80
Bois de rose, Brazil, cns.....lb. 1.25 - 1.35
Cayenne, cns.....lb. 2.75 - 3.00
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .45 - .48
USP IX, cns.....lb. .47 - .49
Calamus, cns.....lb. 2.75 - 3.00
Camphor, sassafrassy, cns..lb. .15 - .15½
dms.....lb. .12½- .14
white, cns.....lb. .16 - .16½
dms.....lb. .14½- .15
Cananga, native, cns.....lb. 2.25 - 2.30
rectified, cns.....lb. 3.00 - 3.25
Capsicum (oleoresin), USP VIII, cns..lb. 2.00 - 2.25
Caraway, USP, cns.....lb. 2.00 - 2.25
Cardamom, bots.....lb. 15.00 -32.00
Cassia, USP, cns., dms.....lb. .90 - .95
Castor, blown, one-way dms., c.l..lb. 12¼- —
l.c.l. .....lb. .13 - —
medicinal, bbls, c.l.....lb. .10¾- —
l.c.l. .....lb. .11¼- —
cns. (1-gal.), l.c.l.....lb. 14½- —
dms. (returnable), c.l....lb. .10¾- —
l.c.l. .....lb .13¼- —
(5-gal.), l.c.l.....lb. .12½- —
tanks .....lb. .10 - —
No. 3, bbls., c.l.....lb. .10¾- —
l.c.l. .....lb. .11 - —
dms. (returnable), c.l....lb. .10 - —
l.c.l. .....lb. .10¾- —
tanks .....lb. .09½- —
Castor oil, med. and No. 3, prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ⅝c higher than N. Y.; l.c.l. prices, ¾c. higher than N. Y.; one-way dms., ¼c. higher, all points.
sulphonated, 50% (48% fat), dms., c.l..lb. .08 - —
l.c.l. .....lb. .08½- —
75% (63% fat), dms., c.l..lb. .11½- —
l.c.l. .....lb. .12 - —
80% (68% fat), dms., c.l..lb .12½- —
l.c.l. .....lb. .13 - —
Cedarleaf, cns.....lb. .65 - .70
dms. .....lb. .60 - .65
Cedarwood, Oregon, cns., dms.
.....lb. .28 - .30
Southern, cns., dms.....lb. .18 - .20
Celery, bots.....lb.10.50 -12.50
Chaulmoogra, USP, cns., 500 lbs..lb. .90 - —
25 lbs.....lb. 1.00 - —
Chinawood, dms., Atlantic Cst. .....lb. .13¼- .13⅝
tanks .....lb. .1260- .1290
Cinnamon, Ceylon, bots.....lb. 9.00 -22.00
Seychelle, bots.....lb. 7.00 -10.00
Citronella, Ceylon, cns.....lb. .30 - .32
dms. .....lb. .27 - .29
Java, dms.....lb. .34 - .36
Clove, USP, cns.....lb. 1.08 - 1.10
dms. .....lb. 1.05 - —
Coconut, Manila, crude, tanks, Jan.-March..lb. .07¼- —
Pac. Cst.....lb. .07 Nom.
edible, 76°, tax incl., dms., (returnable), c.l. .12⅝ —
l.c.l. .....lb. .13½- —
tanks .....lb. .12½- —
Cod, Newfoundland, tanked, bbls..gal. .45½ Nom.
Norwegian, bbls.....gal. .38 - .40
Codliver, med., Norwegian, bbls. .....bbl.26.00 -27.00
poultry, USP, bbls.....gal. .70 - .75
Coriander, bots.....lb. No stocks
Corn, crude, tanks, works....lb. .09¼ Nom.
refd., bbls.....lb. .12½- .12⅝
Cottonseed, dom., cooking, bbls. .....100 lbs.11.60 - —
salad, bbls.....100 lbs.11.85 - —
import, Brazilian, dms..lb. .0640 Nom.
British, semi-refd., dms..lb. .0750 Nom.
Creosote (see C).
Croton, USP, cns.....lb. 1.30 - 1.35
Cubeb, USP, cns.....lb. 2.75 - 3.25
Crude (see Petroleum, crude).
Cumin, bots. .....lb. 8.50 -10.00
Cypress, cns. .....lb.12.00 - —
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 1.65 - —
California, 27 plus, bulk..bbl. 1.00 - 1.25
Dill seed, bots.....lb. 3.15 - 3.50
Weed, bots. .....lb. 5.00 - 5.50
Dip (see D).
Erigeron, cns. .....lb. 1.45 - 1.65
Eucalyptus, cns.....lb. .40 - .43
dms. .....lb. .37 - .39
Fennel, sweet, cns.....lb. 1.05 - 1.10
Fuel, bunker, California, tide-water..bbl. .85 - .95
Gulf Coast.....bbl. .95 - 1.10
Louisiana-Arkansas, 10-14, bbl. .60 - .75
N. Y. and N. J. terminals:—
Monday .....bbl. 1.15 - —
Tuesday .....bbl. 1.15 - —
Wednesday .....bbl. 1.15 - —
Thursday .....bbl. 1.15 - —
Friday .....bbl. 1.15 - —
Saturday .....bbl. 1.15 - —
North Texas, 18-22.....bbl. .72½- .80
24-28, zero cold test..bbl. .95 - 1.00
Oklahoma, 18-22.....bbl. .72½- .80
24-28, zero cold test..bbl. .95 - 1.05
24-28, 15 and above...bbl. .80 - .85
Pennsylvania, 36-40.....gal. .04½- .04⅝
Furnace, Bayonne, 1, bulk, refinery..gal. .04⅛- .05
2, bulk, same basis.....gal. .04⅛- —
3, bulk, same basis.....gal. .04¼- —
4, bulk, same basis.....gal. .04 - —
Louisiana - Arkansas, 28 - 40, light straw.....gal. .03 - .03¼
Oklahoma, 28-30.....gal. .02⅝- .03
32-36 .....gal. .03½- .03¼
36-38 .....gal. .03¼- .03¼
38-40, straw.....gal. .03¼- .03⅜
38-40, zero, 60 e.p.....gal. .03⅜- .03½
Fusel (see F).
Gas, Bayonne, bulk.....gal. .04½- —
Gulf Coast, bulk.....gal. .03¼- .03⅜
North Texas, bulk.....gal. .02½- .02⅝
Oklahoma, bulk.....gal. .02⅝- .02⅞
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns. .....lb. 4.50 - 6.25
Bourbon, cns.....lb. 4.75 - 5.65
Turkish, cns.....lb. 1.60 - 2.00
Grapefruit, cns.....lb. 2.85 - 2.90
Ginger, dist., bots.....lb. 5.85 - 6.75
Guaiac wood, concrete, bots.lb. 3.10 - 3.15
Haarlem, dom., bots.....gross 2.25 - 2.35
import, bots.....gross 3.40 - 3.50
Halibut-liver, dms. .....1,000 A unit-gal. .75 - 1.00
Oil, hemlock, cns.....lb. 1.05 - 1.10
Hempseed, crude, dms.....lb. .09½- .09¾
refd., dms.....lb. .10½- .10¾
Herring, tanks, Pan. Cst..gal. .31 - —
Juniper berry, USP, cns.....lb. 1.00 - 2.00
Wood, tech., cns.....lb. .45 - —
Juniper tar, U.S.P.XI, 1,000 lb. dms..lb. .35 - .50
cns. .....lb. .38 - .60
Lard, common, 1, bbls..100 lbs.10.50 - —
2, bbls.....100 lbs.10.25 - —
extra, bbls.....100 lbs.11.25 - —
1, bbls.....100 lbs.10.75 - —
headlight, burning bbls.100 lbs.12.50 - —
prime, ed., bbls.....100 lbs.14.75 - —
lned., bbls.....100 lbs.12.50 - —
winter, strained, extra bbls., 100 lbs.11.50 - —
prime, bbls.....100 lbs.11.75 - —
Lavender flowers, French, USP, cns..lb. 2.55 - 7.25
Garden, cns. .....lb. .45 - .55
Spike, Spanish, tech., cns..lb. 1.05 - 1.40
dms. .....lb. .95 - 1.10
Lemon, Calif., cns.....lb. 2.50 - —
Messina, coppers, cns.....lb. 2.45 - 3.50
Lemongrass, native, cns., dms. lb. .55 - .63
Lime, dist., cns.....lb. 5.45 - 6.00
expressed, cns.....lb. 9.35 -10.25
Linaloe wood, cns.....lb. 1.15 - 1.20
Linseed, boiled, bbls., c.l....lb. .0960- .0980
l.c.l., 5 or more.....lb. .1000- .1020
less than 5.....lb. .1040- .1060
tanks .....lb. .0900- .0920
double boiled, bbls., less than 5..lb. .1060- .1080
raw, bbls., c.l.....lb. .0920- .0940
l.c.l., 5 or more.....lb. .0960- .0980
less than 5.....lb. .1000- .1020
tanks .....lb. .0860- .0880
Lovage, bots.....lb.46.00 -55.00
Lubricating, at refinery (including U.S. tax 4c. per gal.):—
California, green, 70 vis., tanks..gal. .21⅛- —
80, 100 vis., tanks..gal. .24½- —
115, 125 vis., tanks..gal. .26½- —
green, pale, 750, 900 vis., tanks..gal. .21½- —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis., tanks..gal. .21½- —
pale, red, 100, 140, 1,000 vis., tanks..gal. .21¼- —
pale, 75, 175 vis..tanks.gal. .21½- —
Oklahoma, bright stocks, 100-110 D, 0-10 pour tanks..gal. .19½- —
15-25 pour, tanks..gal. .19 - —
150-160 D, 0-10 pour tanks..gal. .21 - —
15-25 pour, tanks..gal. .20½- —
150-160 E, 15-25, pour, tanks..gal. .20 - —
190-200 D, 15-25 pour, tanks..gal. .24 - —
200-210 E, 15-25 pour, tanks..gal. .23 - —
neutrals, 0-10 pour, 150 vis., 3 color, tanks..gal. .12½- —
180 vis., 3 colors, tanks, gal. .13¼- —
4 color, tanks....gal. .13 - —
200 vis., 3 color, tanks, gal. .14 - —
4 color, tanks....gal. .13½- —
230 vis., 3 color, tanks, gal. .15 - —
4 color, tanks....gal. .14½- —
280 vis., 3 color, tanks, gal. .16 - —
4 color, tanks....gal. .15½- —
300 vis., 3½ color, tanks..gal. .16½- —
350 vis., same basis, gal. .17 - —
400 vis., same basis, gal. .17½- —
500 vis., same basis, gal. .18 - —
600 vis., same basis, gal. .18½- —

15-25 pour prices are ½c. per gallon higher than zero to 10° pour.

Penna., bright, 600 cold test, 10-40 pour, tanks.. gal. .24½- —
10-15 pour, tanks.....gal. .25½ —
cylinder, 600 fire, tanks, gal. .16½- —
600 flash, tanks.....gal. .19 - —
630 flash, tanks.....gal. .23¼- —
635 fire, tanks.....gal. .18 - —
650 fire, tanks.....gal. .18 - —
Warren, E, amber, tanks, gal. .19½- —
neutral, 150 vis....3 color, tanks..gal. .23- —
180 vis., 3 color,tanks.gal. .25½- —
200 vis.,2 color,tanks.gal. .26½- —
spot, Penna, bright, bbls., c.l., f.a.s..gal. .32 - —
unfiltered, 600 s.r., bbls., c.l., f.a.s..gal. .24 - —
600 flash, s.r., bbl., c.l., f.a.s..gal. .26 - —
650 s.r., bbls., c.l., f.a.s. gal. .23⅝- —
Warren, E, bbls., c.l.,f.a.s. gal. .26 - —
smaller lots, f.o.b..gal. .30 - —
Mace, dist., cns.....lb. 1.10 - 1.15
Menhaden, crude, tanks, f.o.b. Balto..gal. .35 Nom.
refd., alkali, dms., c.l.....lb. .0800- —
l.c.l. .....lb. .0800- —
tanks .....lb. .0740- —
blown, dms.....lb. .0800- —
kettle-bodied, dms.....lb. .0900- —
light pressed, dms., c.l....lb. .0740- —
l.c.l. .....lb. .0740- —
tanks .....lb. .0680- —
Mineral, white (see Oil, white mineral)
Mustard, artif., USP., bots..lb. 1.85 - 1.90
dist., natural, bots.....lb. 8.50 - 9.00
expressed, bbls.....gal. .75 - .80
Neatsfoot, cold test, bbls. .....100 lbs.16.25 - —
extra, bbls.....100 lbs.11.00 - —
1, bbls.....100 lbs.10.75 - —
pure, bbls.....100 lbs.11.50 - —
Special, bbls.....100 lbs.11.50 - —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli bots.....lb.35.00 -60.00
Nutmeg USP. cns.....lb. 1.10 - 1.15
Oiticia, dms.....lb. .10½- .10¾
shipment .....lb. .10 Nom.
Oleo, 1, bbls.....100 lbs.12.50 - —
2, bbls.....100 lbs.12.00 - —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, dom., denat., bbls....gal. 1.35 Nom.
edible, bbls.....gal. 1.90 Nom.
foots, bbls.....lb. .09½- .09¾
sulphonated, 50% (45% fat), dms., c.l..lb. .11 - —
l.c.l. .....lb. .11¼- —
75% (63% fat), dms., c.l..lb. .14½- —
l.c.l. .....lb. .15 - —
80% (68% fat), dms., c.l..lb. .15½- —
l.c.l. .....lb. .16 - —
Oil, orange, sweet, dist., cans.lb. .90 - —
expressed, African, cns., dms..lb. 1.30 - 1.35
Calif., cns.....lb. 3.00 Nom.
Florida, cns.....lb. No prices
Messina, USP, coppers.lb. 2.65 - 4.50
Spanish, cns.....lb. No stocks
West India, cns.....lb. 2.00 - 2.05
Origanum, Spanish, cns.....lb. .90 - 1.25
Orris, Florentine, concrete, extra strong, bots..oz. 5.35 - 5.50
Palm, Niger, cks.....lb. .05½- —
shipment .....lb. .05 - —
softs, 12½%, bulk, shipt.....lb. .0540 Nom.
20%, bulk, shipt.....lb. .0555 Nom.
Sumatra, shipment, bulk...lb. .05½ Nom.
Palmarosa, cns .....lb. 1.60 - 1.65
Palmkernel, bulk, shipt.....lb. .07 Nom.
dom., tanks.....lb. .0765- —
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .05¼- —
330° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls extra, ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls extra, ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —
Patchouli, bots.....lb. 5.00 - 6.00
Peanut, crude, dom., tanks, works..lb. .09¼- .09½
refd., edible, bbls.....lb. .12½ Nom.
Oriental, crude, bulk shipt..lb. .0965- —
Pennyroyal, dom., cns.....lb. 1.65 - 1.75
import, cans.....lb. 1.60 - 1.85
Peppermint, natural, cans, dms. lb. 2.35 - 2.55
redist., USP, cns, dms.....lb. 2.60 - 2.85
Perilla, dms.....lb. .10 - .10¼
tanks .....lb .09½- .09⅝
Petitgrain, Paraguay, cns...lb. 1.10 - 1.15
Pimento berry, cns.....lb. 3.00 - 3.10
Leaf, cns.....lb. No Stocks
Pine, dest.-dist., straw-color, dms., dlvd., E. ports..gal. .50 - —
steam-dist., straw color, bbls. gal. 50 -
tanks .....gal. 54 - -
water-white, bbls .....gal. 54 - -
tanks .....gal 50
Pinesedle, Siberian, cns....lb. .85 - .90
Putty, bbls, El Segundo, Richmond, Cal..gal. .22¼- —
contracts .....gal. .19¼- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Bost., Provid..gal. .25¼- —
l.c.l., same basis.....gal. .27 - —
tanks same basis.....gal. .18 - —
Martinez, Cal .....gal. .28 - —
Rapeseed, blown, bbls.....lb. .11¼- .12
denat., bbls.....gal. .75 - —
Red dist or saponif., bbls., dlvd.....lb. .10¼- .11⅛
dms, dlvd.....lb. .10 - .11
tanks, dlvd.....lb. .09¼- —
white dms.....lb. .12¼- .13¼
Rose, artif., bots.....oz. 2.00 - 3.00
natural, coppers.....oz. 5.25 -22.50
Rosemary, Spanish, cns.....lb. .43 - .48
dms .....lb. .37 - .42
Rosin, 1st rectfd., dms.....gal. .57 - .59
2d rectfd., dms.....gal. .60 - .62
3d rectfd., dms.....gal. .67 - .69
Rue, bots.....lb. 2.15 - 2.20
Sage, cns.....lb. 1.60 - 1.65
Salmon tanks, Pac Cst .gal .32 - Nom
Sandalwood, Australia, cns...lb. 4.50 - 5.00
E.I., USP, cns.....lb. 4.80 - 5.50
Sardine, crude, tanks, Pac. Cst..gal. .37½- —
refd., alkali, dms., c.l.....lb.. .0800- —
l.c.l. .....lb. .0800- —
tanks .....lb. .0740- —
kettle-bodied, dms.....lb. .0900- —
light, pressed, dms., c.l.lb. .0740- —
l.c.l. .....lb. .0740- —
tanks .....lb. .0680- —
Sardine, refd., poultry feed, dms., Pac. Cst..gal. .50 - —
Sassafras, artif., dms.....lb. .33 - .35
cns. .....lb. .36 - .38
natural, cns., dms.....lb. .75 - 1.00
Savin, cns .....lb. 1.70 - 1.75
Savory, cns.....lb. 3.50 - 3.75
Sesame, dom., refd., white, dms. lb. .12 - .13¼
yellow, dms.....lb. .13 - .13¼
Shingle stain, bbls., c.l., works. gal. .17½- —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14½- —
Snakeroot, Canada, cns.....lb.11.00 -12.00
Soybean, dom., crude, dms...lb. .0960- .1020
tanks .....lb. .0900- —
refd., dms.....lb. .1010- .1100
tanks .....lb. .0950- .1000
Spearmint USP cns .....lb. 1.85 - 2.00
Sperm, bleach, 38°, dms.....lb. .0980- .1000
45°, dms.....lb. .0910- .0930
natural, dms.....lb. .0860- .0880
Spruce, cans.....lb. 1.05 - 1.10
Sunflower seed, refd., dms...lb. .11½- .11¾
Sweet birch, North, cns.....lb. 3.50 - 3.75
South., cns.....lb. 1.90 - 2.10
Tallow, acidless, bbls....100 lbs.10.87½- —
tanks .....100 lbs.10.37½- —
Tansy, cns.....lb. 3.10 - 3.25
Tar, commL, dms., c.l., dlvd. E. cities..gal. .26 - —
E. ports.....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
rectfd., USP, bbls., dlvd. E. ports..gal. .50 - —
Tar acid (see T)
Teaseed, dms.....lb. .13½- 14½
Thyme, NF, red, dms.....lb. .85 - 1.25
white, dms.....lb. .80 - 1.25
Tung (see Oil, chinawood).
Turkey red (see Oil, castor, sulphonated).
Turpentine (see T).
Turtle, cns.....gal. 4.00 - 5.00
Valerian, bots.....lb.13.50 -14.00
Vetiver, Bourb., bots.....lb. 8.00 -18.00
Walnut, crude, dms.....lb. .13 - .13½
refd., dms.....lb. .15 - .15¾
Whale, refd., natural, dms..lb. .0770- .0790
winter, bleach, dms.....lb. .0810- .0830
Wheat germ, cns., dms....gal.27.50 -30.00
White mineral, dom., tech., 50-60 vis., dms.....gal. .42 - .44
65-75 vis., dms.....gal. .44 - .46
80-90 vis., dms.....gal. .45 - .47
U.S.P., 80-90 vis., dms..gal. .54 - .56
95-105 vis., dms.....gal. .63 - .65
125-135 vis., dms.....gal. .75½- .77½
140-150 vis., dms.....gal. .76½- .78½
175-185 vis., dms.....gal. .78½- .80½
200-210 vis., dms.....gal. .80 - .82
320-330 vis., dms.....gal. .85½- .87½
335-345 vis., dms.....gal. .87 - .89
Russian, 75-85 vis., dom..gal. .52 - —
145-155 vis., dms.....gal. .74½- —
185-190 vis., dms.....gal. .76½- —
275-285 vis., dms.....gal. .80 - —
335-345 vis., dms.....gal. .85 - —
Wintergreen, natural, North. cns..lb. 4.00 - 8.00
South, cns.....lb. 3.35 - 3.75
synth. (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.00 - 2.10
Wormwood, cns.....lb. 8.00 - 8.25
Ylang-ylang, Bourb., bots., cns. lb. 3.50 - 6.00
Manila, bots.....lb.26.00 -30.00
Opium, USP, cns.....lb.11.50 -12.50
gran., cns.....lb.12.50 -13.50
powd., cns.....lb.12.50 -13.50
Orange, chrome (see Yellow, chrome).
Lake, Persian, bbls.....lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd, Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .10⅝- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .11¼- —
Colo., Mont., N. M., Wyo..lb. .11 - —
Other points.....lb. .10½- —
smaller lots, dlvd, Ala., etc..lb. .11¼- —
Ariz., etc.....lb. .11⅝- —
Colo., Mont., N. M., Wyo..lb. .11½- —
Other points.....lb. .11 - —
French, Tours, csks., ex-dock..lb. .17 - —
kgs., ex dock.....lb. .18½- —
Peel, bitter, bls.....lb. .08 - .09
Sweet, bls.....lb. .09 - .10
Toner bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .35 - .36
Orris root, Florentine, bgs....lb. .09 - .10
fingers, cs.....lb. .95 - 1.00
powd., bbls., bxs.....lb. .12 - .13
Verona, bls.....lb. .08 - .09
powd., bxs, cs.....lb. .11 - .12
Orthoanisidin, bbls.....lb. .82 - .84
Orthochloroanilin, dms.....lb. .60 - .75
Orthochlorophenol, dms.....lb. .35 - .75
Orthocresol, dms., c.l., works..lb. .13½- —
l.c.l., same basis.....lb. .14½- —
Orthodichlorobenzene, dms....lb. .06½- .11½
Orthonitroanilin, dms.....lb. .48 - .60
Orthonitrochlorobenzene, kgs..lb. .28 - .29
Orthonitroparachlorophenol,cns.lb. .70 - .75
Orthonitrophenol, kgs.....lb. .85 - .90
Orthonitrotoluene, dms.....lb. .07 - .10
Orthotoluene sulphonate, kgs..lb. 2.00 - 2.05
Orthotoluidin, dms.....lb. .14½- .15
Osage orange extract, cryst.,bbls. lb. .17 - .19
liquid, 51°, bbls.....lb. .07 - .08
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.65 - 4.00

P

Papain, powd., cs.....lb. .95 - 1.00
Paprika, Hungarian, bgs.....lb. .20½- .22
Spanish, extra fancy, cs.....lb. .27 - .28
fair, bgs.....lb. .21½- .22
fancy, bgs.....lb. .23 - .23½
medium, bgs.....lb. .22 - .22½
Para-aminoacetanilide, kgs...lb. .85 Nom.
Para-aminophenol, bgs., bbls..lb. 1.05 - —
Hydrochloride, bbls.....lb. 1.25 - —
Para-amylphenol, tertiary, dms., c.l., works..lb. .20 - —
Parachlorophenol, dms.....lb. .30 - .45
Paracymene, rfd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms.....lb. .16 - .20
kegs .....lb. .18 - .25
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy..lb. .02⅜- .02½
bbls, c.l., N. Y.....lb. .0240- —
124-126 A.m.p., bgs., c.l., Okla, refy..lb. .02½- .02⅝
bbls., c.l., N. Y.....lb. .0245- —
yellow, 124-126 A.m.p., bbls., c.l., N. Y..lb. .02¼- Nom.
fully refd., slabs, 120-122 A.m.p., bgs., c.l..lb. No prices
123-125 A.m.p., bgs., c.l..lb. .0445- —
export, f.a.s., N. Y..lb. .0440- —
125-127 A.m.p., bgs., c.l..lb. .0455- —
export, f.a.s. N. Y..lb. .04½- —
128-130 A.m.p., bgs., c.l..lb. .0480- —
export, f.a.s. N. Y..lb. .04¾- —
130-132 A.m.p., bgs., c.l..lb. .0495- —
export, f.a.s., N. Y..lb. .0490- —
133-135 A.m.p., bgs., c.l..lb .0555- —
export, f.a.s., N. Y..lb. .05½- —
135-137 A.m.p., bgs., c.l.lb. .0580- —
export, f.a.s., N. Y..lb. .05¾- —
138-140 A.m.p., bgs., c.l..lb. .0635- —
143-145 A.m.p., bgs., c.l..lb. .0790- —
Refined paraffin prices in cases are ½c. lb. higher than bags price.
match, A.m.p. up to and incl. 110-112 bbls., c.l..lb. .03 - —
semirfd., solid, 122-124 A.m.p., bgs..lb. 02¾- Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C.....lb. .34 - —
100 to 900 lb. shipments, same basis..lb. .35 - —
Paraldehyde, tech., dms., wks.lb. .16 - .18
USP, cbys.....lb. .37 - .45
Paranitroanilin, kgs., c.l., works. lb. .45 - —
l.c.l., kgs., works.....lb. .47 - —
Paranitrochlorobenzene, kgs...lb. .23½- .24
Paranitrophenol, kgs.....lb. .35 - .37
Paranitrotoluene, kgs.....lb. .36 - .37
Paraphenylenediamine, bbls...lb. 1.25 - 1.30
tanks, same basis.....lb. .31 - —
Paratoluenesulphonamide, bbls.lb. .70 - .75
Paratoluenesulphonanilide, bbls.lb. .55 - —
Paratoluidin, bbls.....lb. .58 - .60
Paratoluidin, bbls.....lb. .58 - .60
Pareira brava root, bls.....lb. .16 - .17
Paris green, bxs., frt. all'd E. of Cleve..lb. .28 - .37
kgs., same basis.....lb. .22 - .24
kits, same basis.....lb. .26 - —
Passion flower herb, bls.....lb. .06 - .06½
Patchouli leaves, bls.....lb. .15 - .16
Pellitory root, bls.....lb. .16 - .17
Pennyroyal, bls.....lb. .10 - .11
Pentane, nor., 28-38°, dms., c.l., G.S—gal. .12½- —
l.c.l., G.3.....gal. .16 - —
tanks, G.3.....gal. .09½- —
laboratory grade, dms., c.l. G.3..gal. .16 - —
l.c.l., G.3.....gal. .25 - —
Pepper, black, Alleppy, bgs...lb. .08¾- .09
Lampong, bgs.....lb. .05¼- .05⅜
Tellicherry, bgs.....lb. .09 - .09½
Red, birdseye, bgs.....lb. .13½- .14
Japanese, 1, bgs.....lb. .12 - .12½
Mombassa, bgs.....lb. .16¼- .16⅜
White, Borneo, bgs.....lb. .10 - .10½
Java, Muntok, bgs.....lb. .10 - .10½
Saigon, bgs.....lb. No stocks
Singapore, Muntok, bgs...lb. .09⅜- .10¼
Peppermint leaves, dom., bls..lb. .24 - .25
import, bls.....lb. .34 - .39
Persian berry extract, bbls....lb. .55 Nom.
Peru balsam, dms.....lb. 1.05 - 1.10
Petrolatum, amber, dark, bbls., c.l..lb. .02¾- .02⅞
light, bbls., c.l.....lb. .03¼- .03⅜
medium, bbls., c.l.....lb. .02⅞- .03¼
cream, bbls., c.l.....lb. .05 - .05¼
green, dark, bbls., c.l.....lb. .02½- .02⅝
red, bbls., c.l.....lb. .02⅝- .02⅞
veterinary, bbls., c.l.....lb. .02⅝- .02⅞
white, lily, bbls., c.l.....lb. .06 - .06¼
snow, bbls., c.l.....lb. .07 - .07¼

Petroleum, crude, bulk, at wells:—
California:—
Alamitos Heights ..... bbl. .74 - .95
Athens ..... bbl. .84 - 1.66
Belridge ..... bbl. .70 - 1.32
Buena Vista Hills ..... bbl. .70 - 1.38
Coalinga ..... bbl. .70 - .90
Coyote Hills (West) ..... bbl. .78 - 1.32
Dominguez ..... bbl. .79 - 1.00
East Coyote ..... bbl. .76 - .96
Elk Hills ..... bbl. .70 - 1.38
Elwood Terrace, f.o.b. ship. bbl. 1.28 - 1.43
Huntington Beach ..... bbl. .78 - 1.22
Inglewood ..... bbl. .79 - 1.27
Kern Front ..... bbl. .70 - —
Kern River ..... bbl. .70 - —
Kettleman Hills ..... bbl. 1.19 - 1.43
La Habra ..... bbl. .76 - .96
Lakeview ..... bbl. .70 - 1.38
Lost Hills ..... bbl. .70 - 1.32
McKittrick ..... bbl. .70 - —
Midway - Sunset (except Lakeview) .. bbl .70 - 1.38
Montebello ..... bbl. .77 - 1.43
Mt. Poso ..... bbl. .70 - —
Mountain View ..... bbl. .70 - 1.20
Newhall ..... bbl. .70 - —
Olinda Brea ..... bbl. .76 - 1.27
Orcutt ..... bbl. .70 - .93
Playa del Rey, f.o.b. pipeline ..... bbl. .80 - 1.16
Richfield ..... bbl. .76 - 1.09
Rosecrans ..... bbl. .84 - 1.66
Round Mt. ..... bbl. .70 - —
Santa Fe Springs ..... bbl. .78 - 1.42
Santa Paula ..... bbl. .70 - 1.01
Seal Beach ..... bbl. .79 - 1.19
Signal Hill ..... bbl. .80 - 1.21
Torrence ..... bbl. .80 - 1.05
Wheeler Ridge ..... bbl. .70 - .83
Whittier ..... bbl. .76 - .96

Canada:—
Oil Springs ..... bbl. 2.17 - —
Petrolia ..... bbl. 2.10 - —

Central West:—
Illinois ..... bbl. 1.22 - —
Lima ..... bbl. 1.15 - —
Midland (Mich.) ..... bbl. 1.32 - —
Princeton ..... bbl. 1.13 - —

East Texas ..... bbl. 1.15 - —

Gulf Coast:—
Barber's Hill ..... bbl. .92 - 1.22
Batson ..... bbl. .92 - 1.22
Conroe ..... bbl. 1.24 - 1.34
Dayton ..... bbl. .92 - 1.22
Evangeline ..... bbl. .92 - 1.22
Goose Creek ..... bbl. .92 - 1.22
High Island ..... bbl. .92 - 1.22
Hull ..... bbl. .92 - 1.22
Humble ..... bbl. .92 - 1.22
Liberty ..... bbl. .92 - 1.22
Markham ..... bbl. .92 - 1.22
Orange ..... bbl. .92 - 1.22
Pettus ..... bbl. 1.25 - —
Pierce Junction ..... bbl. .92 - 1.22
Port Lavaca ..... bbl. .80 - —
Refugio, heavy ..... bbl. .90 - —
light ..... bbl. .92 - 1.22
Saratoga ..... bbl. .92 - 1.22
Sour Lake ..... bbl. .92 - 1.22
Spindle Top ..... bbl. .92 - 1.22
Sugarland ..... bbl. .92 - 1.22
Terry ..... bbl. .92 - 1.22
West Columbia ..... bbl. .92 - 1.22

Kentucky, Tennessee:—
Oil City, in Stoll lines. bbl. 1.00 - —
Somerset ..... bbl. 1.30 - 1.38
Western Kentucky, all gravities .. bbl. 1.28 - —

Louisiana, Arkansas:—
Bosco ..... bbl. 1.02 - —
Bull Bayou ..... bbl. .71 - 1.08
Caddo ..... bbl. .78 - 1.10
Cameron Meadows ..... bbl. .82 - 1.12
Cotton Valley ..... bbl. .78 - 1.10
De Soto ..... bbl. .78 - 1.10
El Dorado ..... bbl. .78 - 1.10
Haynesville ..... bbl. .78 - 1.10
Homer ..... bbl. .78 - 1.10
Iowa ..... bbl. .72 - 1.03
Lockport ..... bbl. .92 - 1.22
Miller County ..... bbl. .78 - 1.10
Nevada ..... bbl. .65 - —
Pine Island ..... bbl. .86 - 1.10
Rodessa ..... bbl. .78 - 1.10
Smackover ..... bbl. .75 - .80
Urania ..... bbl. .97 - —

Mexico, f.o.b. terminals. Mexican ports—based on contract:—
Panuco ..... bbl. 1.00 - —
Tax, 13.31c. per bbl.
Tuxpan ..... bbl. No prices.
Tax, 21.754c. per bbl.

Midcontinent:—
Corsicana ..... bbl. .86 - —
North Texas ..... bbl. .86 - 1.18
Oklahoma-Kansas ..... bbl. .86 - 1.18

Pennsylvania, Ohio, West Virginia:—
Bradford-Allegany ..... bbl. 2.45 - —
Corning ..... bbl. 1.32 - —
Pennsylvania grade, in Buckeye lines .. bbl. 1.97 - —
Eureka lines ..... bbl. 2.12 - —
S.W. Penn lines .... bbl. 2.17 - —
lower district in National Transit lines. bbl. 2.37 - 2.42

Rocky Mountain:—
Big Muddy ..... bbl. 1.11 - —
Cat Creek ..... bbl. 1.07 - —
Elk Basin ..... bbl. 1.18 - —
Frannie, heavy ..... bbl. .62 - —
light ..... bbl. .70 - —
Grass Creek, heavy .... bbl. .62 - —
light ..... bbl. 1.18 - —
Greybull ..... bbl. 1.28 - —
Lance Creek ..... bbl. .75 - —
Pondera ..... bbl. 1.05 - —
Rock Creek ..... bbl. 1.08½ - —
Salt Creek ..... bbl. .94 - 1.18
Sunburst ..... bbl. 1.15 - —

South, Central and Southwestern Texas:—
Cass County ..... bbl. .86 - 1.10
Darst Creek ..... bbl. .87 - 1.02
Luling ..... bbl. .90 - —
Lytton Springs ..... bbl. 1.00 - —
Mirando ..... bbl. .90 - —
Panola County ..... bbl. .84 - 1.08
Salt Flat ..... bbl. 1.02 - —
Saxet ..... bbl. .90 - —
Tomball ..... bbl. 1.30 - —
Van ..... bbl. .79 - 1.00

Texas Panhandle:—
Carson-Hutchinson counties. bbl. .81 - .93
Gray County ..... bbl. .86 - .98

West Texas:—
Artesia, N. M. ..... bbl. .75 - —
Crane ..... bbl. .75 - .90
Crockett ..... bbl. .75 - .90
Ector ..... bbl. .75 - .90
Glasscock ..... bbl. .75 - .90
Hobbs, N. M. ..... bbl. .65 - —
Hogback ..... bbl. 1.21 - —
Howard ..... bbl. .75 - .90
Jackson, N. M. ..... bbl. .75 - —
Lea, N. M. ..... bbl. .75 - .90
Maljamar, N. M. ..... bbl. .75 - —
Mitchell ..... bbl. .89 - —
Pecos ..... bbl. .75 - .90
Upton ..... bbl. .75 - .90
Winkler ..... bbl. .90 - —

Petroleum, ether, 30-60°, dms., c.l., G.3 .. gal. .15 - —
l.c.l., G.3 ..... gal. .17 - —
tanks, G.3 ..... gal. .13 - —
35-60°, dms., l.c.l., G.3 .... gal. .35 - —
40-75°, dms., c.l., G.3 ..... gal. .15 - —
l.c.l., G.3 ..... gal. .16 - —
tanks, G.3 ..... gal. .13 - —
laboratory grade, dms., c.l., G.3 .. gal. .16 - —
l.c.l., G.3 ..... gal. .25 - —
10-gal. lots, G.3 ..... gal. .50 - —
Lacquer, diluent, at refinery:—
California, 49-51, 225 i.b.p., 335 e.p., tanks .. gal. .12 - —
58-62, 160 i.b.p., 270 e.p., tanks, delvd. Los Angeles .. gal. .11 - —
San Francisco .. gal. .11½ - —
f.o.b. Richmond .. gal. .11½ - —
Willbridge, Ore.; Pt. Wells, Wash .. gal. .12 - —
61-63, 149 i.b.p., 275 e.p., tanks .. gal. .15 - —
East Coast, tanks ..... gal. .12 - .12½
Group 3, tanks ..... gal. .07⅞ - .08½
Naphtha, cleaners, at refinery:—
East Coast, tanks ..... gal. .09½ - —
Group 3, tanks ..... gal. .07⅞ - .07½
tankwagon, Boston, ex-tax. gal. .13 - —
Chicago, inc. 3c. tax ... gal. .153 - —
Decatur, inc. 3c. tax ... gal. .179 - —
Des Moines, inc. 3c.tax.gal. .177 - —
Evansville, Ind.,ex tax.gal. .143 - .156
Milwaukee, inc. 4c. tax. gal. .192 - —
Minneapolis-St. Paul, inc. 3c. tax .. gal. .183 - —
Newark, ex tax ..... gal. .11½ - —
New York, ex tax ..... gal. .11½ - —
Omaha, ex tax ..... gal. .149 - .159
Oklahoma City, ex tax.gal. .15 - .16
Philadelphia, ex tax ... gal. .11½ - —
St. Louis, ex tax ..... gal. .146 - .156
Syracuse, 150 gals ..... gal. .14 - —
smaller lots, galv. drums. gal. .16 - —
milk cans ..... gal. .21 - —
Tulsa, ex tax ..... gal. .15 - .16
high solvency, aromatic, 8, tanks, frt. alld. within 100 mi. radius of Paulsboro, N. J. .gal. .17 - —
delivery beyond 100 mi., f.o.b. Paulsboro, frt. equald nearest comp. pt ..... gal. .16¼ - —
30, same basis ..... gal. .18¼ - .19
40, same basis ..... gal. .14½ - .15½
hydrogenated, 1, tanks, f.o.b. Bayway, frt. equald. nearest comp. pt .. gal. .16 - —
2, same basis ..... gal. .18 - —
3, same basis ..... gal. .16 - —
4, same basis ..... gal. .18 - —
V.m. & p., at refinery:—
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo .. gal. .11 - —
Richmond ..... gal. .11½ - —
Willbridge, Ore., Pt. Wells, Wash .. gal. .12 - —
54-57, 190 i.b.p., 310 e.p. tanks, delvd. Los Angeles .. gal. .10 - —
San Francisco .. gal. .10½ - —
East Coast, tanks ..... gal. .10 - —
Group 3, tanks ..... gal. .07⅝ - .07½
Pennsylvania, tanks .. gal. .07½ - —
tankwagon, Boston, ex tax. gal. .18 - —
Chicago, inc. 3c. tax .. gal. .165 - —
Decatur, inc. 3c. tax .. gal. .179 - —
Des Moines, inc.3c. tax.gal. .177 - —
Evansville, Ind..ex tax.gal. .143 - .158
Milwaukee, inc. 4c.tax.gal. .192 - —
Minneapolis-St. Paul, inc. 3c. tax .. gal. .183 - —
Newark, ex tax ..... gal. .12½ - —
New York, ex tax ..... gal. .11½ - —
Omaha, ex tax ..... gal. .149 - .159
Oklahoma City, ex tax.gal. .15 - .16
Philadelphia, ex tax ... gal. .11½ - —
St. Louis, ex tax ..... gal. .10 - .11
Thinner, at refinery:—
California, 34, 325 i.b.p., 390 e.p., low anilin, tanks f.o.b. Los Angeles .... gal. .14 - —
Portland, Ore ..... gal. .15 - —
Richmond ..... gal. .13½ - —
Seattle, Wash ..... gal. .15½ - —
44, 311 i.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore. gal. .11½ - —
Richmond ..... gal. .11 - —
Southern Calif .. gal. .10½ - —
55-56, 200 i.b.p., 305 e.p., tanks, f.o.b. El Segundo. gal. .11 - —
Portland, Ore ..... gal. .12 - —
Richmond ..... gal. .11½ - —
Seattle, Wash .... gal. .12 - —
East Coast, 43-47, tanks.gal. .09 - .10
47-49, tanks ..... gal. .09 - —
Group 3, tanks ..... gal. .06⅝ - .06½
Pennsylvania, tanks ..... gal. .06¾ - —
tankwagon, tax included:—
Albany ..... gal. .11 - —
Baltimore ..... gal. .12 - .13
Binghamton, N. Y ..... gal. .14 - .16
Boston ..... gal. .12 - .13
Bridgeport, Conn ..... gal. .13 - —
Buffalo ..... gal. .12½ - —
Camden, N. J ..... gal. .115 - .135
Chicago ..... gal. .162 - —
Decatur, Ill ..... gal. .169 - —
Des Moines ..... gal. .167 - —
Evansville, Ind ..... gal. .136 - .146
Milwaukee ..... gal. .182 - —
Minneapolis-St. Paul ... gal. .173 - —
Newark ..... gal. .10½ - —

Petroleum, thinner, tankwagon, New York (200 gals.) .gal. .10½ - —
smaller lots ..... gal. .11 - —
Omaha ..... gal. .109 - .149
Philadelphia ..... gal. .115 - .135
Pittsburgh ..... gal. .12 - .14
Providence ..... gal. .12 - .13
Rochester ..... gal. .12 - .16
St. Louis ..... gal. .136 - —
Syracuse ..... gal. .13 - .15
Trenton ..... gal. .11½ - .13½
Wilmington, Del ..... gal. .15 - —
contracts, 1,000 gals. gal. .18 - —
Phenobarbital, bots ..... lb. 4.60 - 4.85
Phenol, USP, dms, c.l., works, frt. equald .. lb. .13¼ - .14¼
l.c.l., same basis ..... lb. .14 - .15
tins, c.l., same basis ..... lb. .14½ - .15¼
l.c.l., same basis ..... lb. .15 - .16
tanks, works ..... lb. .12¾ - —
Phenolphthalein, USP, bbls., dms. 2,000 lbs .. lb. .75 - —
bbls., dms., kegs, 100-250 lbs. lb. .77 - —
yellow, bbls ..... lb. .70 - —
Phenyl chloride, dms ..... lb. .16 - —
Phenylacetaldehyde, bots ..... lb. 3.50 - 6.75
Phenylhydrazin hydrochloride, CP, bots., works .. lb. 3.30 - 5.10
commercial, kgs. works .. lb. 3.50 - 6.50
pure, bots., works ..... lb. 2.95 - 8.25
Phloroglucinol, CP, tins, works. lb. 20.00 - 22.00
tech., tins, works ..... lb. 15.00 - 16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines .. long ton. 4.35 - —
land pebble, 68% min., bulk, mines .. long ton. 1.85 - —
70% min., bulk, mines .... long ton. 2.15 - —
72% min., bulk, mines ..... long ton. 2.85 - —
75% basis, 74% min., bulk mines .. long-ton. 3.35 - —
Tenn., 72%, bulk, mines ..... long ton. 4.50 - —
75%, bulk, mines .... long ton. 5.50 - —
Phosphorus, red, cs ..... lb. .40 - .44
Yellow, cs ..... lb. .29 - .37½
Oxychloride, cyls ..... lb. .16 - .26
Sesquisulphide, cs ..... lb. .33 - .43
Trichloride, cyls ..... lb. .16 - .20
Pthalic anhydride, dms., c.l., works, frt. alld. E. of Miss. R .. lb. .14½ - —
l.c.l., same basis ..... lb. .15½ - —
Pichi leaves, bgs ..... lb. .08 - .10
Pilocarpine hydrochloride, bots., vls .. oz. 2.50 - 2.75
Nitrate, bots., vls ..... oz. 2.40 - 2.65
Pimento, bgs ..... lb. .15¾ - .16¼
Pinkroot, bls ..... lb. .35 - .36
Pitch, Burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works .. ton. 19.00 - —
l.c.l ..... ton. 23.00 - —
Hardwood, 1-time, dm., c.l., f.o.b. works .. ton. 15.00 - —
Linseed, dms ..... lb. .04½ - .06
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls ..... bbl. 5.00 - 5.25
Stearin, dms ..... lb. .03 - .04½
Plaster of paris (see Gypsum).
Pleurisy root, bls ..... lb. .12 - .18
Podophyllin, cns ..... lb. 3.00 - 3.35
Poke root, bls ..... lb. .03½ - .07
Pomegranate bark, bgs ..... lb. .18 - .19
Root bark, bgs ..... lb. .40 - .41
Poppy flowers, red, bls ..... lb. .35 - .40
Seed, Dutch, bgs ..... lb. .07 - .07½
Polish, bgs ..... lb. .06¾ - .07
Potash acetate, USP, bbls., kgs. lb. .20 - .28
50% sol., bbls ..... lb. .06½ - .09
Bicarbonate, USP, cryst., bbls. lb. .09 - .13
gran., bbls ..... lb. .10 - .13
Bichromate, spot, c.l., works. lb. .08¾ - —
6 casks or 10 bbls. or over, works .. lb. .08¾ - —
5 casks or 9 bbls. or less, works .. lb. .09 - —
Binoxalate, dms ..... lb. .23 - —
phate, kgs ..... lb. .15½ - .18
Carbonate, calc., dms., c.l., works .. lb. .06½ - —
l.c.l., same basis ..... lb. .06¾ - —
hydrated, 83-85%, bbls., c.l., works .. lb. .05½ - —
l.c.l. .. lb. .05¾ - —
liquid, dms., c.l. dlvd ..... lb. .02¾ - —
l.c.l., 10 dms. or over .. lb. .03¼ - —
less than 10 dms ..... lb. .03½ - —
tanks, dlvd ..... lb. .02¾ - —
USP, gran., bbls ..... lb. .14 - —
powd., bbls ..... lb. .19 - —
Caustic, flake, 88-92% ... dms., c.l., works .. lb. .07
l.c.l ..... lb. .07¼ - .07½
import., dms ..... lb. .07 - .07½
liquid, 45% basis, dms ..... lb. .03¼ - .03½
tanks ..... lb. .02¾ - —
solid, 88-93%, dom., dms., c.l., works .. lb. .06¼
l.c.l ..... lb. .06½ - .09
import., cake ..... lb. .06¼ - .09
Chlorate cryst., kgs ..... lb. .09¼ - .10
gran., kgs ..... lb. .12 - .13
powd., kgs ..... lb. .08¼ - .09
Chloride, tech., 98% cryst., bbls .. lb. .04 - .04½
Chromate, kgs ..... lb. .26 - .26
Citrate, USP, gran., bbls., 250 lbs .. lb. .25 - —
kgs., 100 lbs ..... lb. .26 - —
cns., 50 lbs ..... lb. .27 - —
cns., 25 lbs ..... lb. .29 - .40
Cyanide, cns., dms ..... lb. .55 - .90
Glycerophosphate, 75% sol., cns., 100 lbs .. lb. 1.25 - 1.30
Guaiacolsulphonate, cns ..... lb. 1.65 - 1.70
Hydroxide, USP, sticks, cns. lb. .26 - .27
Hypophosphite, cns ..... lb. .73 - .77
Iodate, bbls ..... lb. 2.20 - 2.25
Iodide, bbls., fib. dms ..... lb. 1.10 - 1.15
Kainit, high-grade, 20% K_2O, bulk, c.l.f. ports .. ton. 12.00 - —
Manure salt, dom., 30%, K_2O, bulk, c.l.f. ports .. ton. 12.00 - —
run of mine, approx. 20% K_2O, bulk, c.l.f. ports, unit-ton. .55 - —
import., 80% K_2O, bulk, shipt, unit-ton. .55 - —
Metabisulphite, kgs ..... lb. .13 - —
Muriate, dom., all strengths, min. 50% K_2O, bulk .. unit-ton. .50 - —
import., all strengths, min. 80% KCl, basis 50% K_2O, bulk, c.l.f. ports .. unit-ton. .50 - —
Potash muriate prices in bags are $3 ton higher than bulk price.
Oxalate, pure, cryst., kgs .... lb. .30 - .31
tech., bbls ..... lb. .23 - .26
Perchlorate, kgs., works ..... lb. .10 - .11
Permanganate, tech., dms .. lb. .18¼ - .19
Prussiate, red, bbls ..... lb. .25 - .27
Yellow, bbls ..... lb. .16 - .17
Silicate alkaline, lump, bags. lb. .07 - —
Sulphate, NF, bbls ..... lb. .13 - .14
tech., 90-95%, min. 90%, bgs., shipt., c.l.f. ports .. ton. 24.25 - —
Prickly ash, bark, bgs ..... lb. .11 - .12
Berries, bgs ..... lb. .15 - .16
Prince's pine herb, bls ..... lb. .15 - .16
Propane, tanks, G.3 ..... gal. .03 - .04½
Psyllium seed (see Flaxseed).
Pulsatilla, bls ..... lb. .15 - .16
Pumice stone, Italian, Amer.-grd., 2F, 3F, 2P, 1½F, and coarser, bbls., 8 or over, works .. lb. .03 - —
less than 8, works .. lb. .03½ - —
F and 1, bbls., 3 or over, works .. lb. .03½ - —
less than 3, works .. lb. .04 - —
0, 0-½, 0-¾, and ½, bbls., 3 or over, works .. lb. .04 - —
less than 3, works .. lb. .04½ - —
Ital.-grd., bgs., c.l., shipt., ex dock, N. Y .. ton. 33.00 Nom.
l.c.l., 5-39 tons, ex whse. ton. 35.00 -
1,000-10,000 lbs., ex whse .. ton. 30.00 - —
2 bgs. to 1,000 lbs., ex whse .. ton. 41.00 - —
single bgs., ex whse. ton. 46.00 - —
Pumpkin seed, bgs ..... lb. .11 - .14
Purple lake (see Red).
Putty com'l, dms ..... 100 lbs. 3.00 - —
linseed oil, raw, dms .... 100 lbs. 4.75 - —
refined, dms ..... 100 lbs. 5.25 - —
standard, dms ..... 100 lbs. 3.75 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrins (Sell test) dms. (incl.) frt. alld. E. of Rockies, standard brand .. gal. 4.25 - 4.60
standard make ..... gal. 4.25 - 4.60
basis 3.6% pyrethrins, dms. (incl.) frt. alld. E. of Rockies, standard brand. gal. 6.25 - 6.60
Pyrethrum flowers, coarse, grnd. (g.f.p), Japan, bgs., 15 tons or over .. lb. .11½ - —
fine powd., Dalmat., bbls., kgs .. lb. .14 - .18
Japan, bbls., 3 tons ..... lb. .14 - —
Pyridin, denaturing, dms ..... gal. 1.80 - —
refd., 2°, dms ..... lb. .40 - —
Pyrites, Spanish, f.o.b. Atl. ports .. unit-ton. .12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib. dms., tins .. lb. 2.15 - 2.45
resublimed, fib. dms., tins .. lb. 4.00 - —

Q

Quassia, chips, bls ..... lb. .06 - .07
Quebracho extract, liquid, 25% tan., bbls., works .. lb. .03¾ - —
tanks, works ..... lb. .03½ - —
solid, 63%, bgs., c.l., ex dock, plus duty .. lb. .03¾ - —
clarified, 64%, bgs., c.l., same basis .. lb. .04½ - —
Queen of the meadow herb, bgs .. lb. .06 - .07
Root, bgs ..... lb. .06 - .07
Quercitron extract, liquid, 51°, bbls .. lb. .03 - .03
solid, dms ..... lb. .10 - .15
Quicksilver, dom., flasks (76 lbs. net), dlvd., N. Y .. flask. 93.00 - 95.00
Quince seed, bgs ..... lb. .45 - 1.50
Quinidine, cryst., small, cns .... oz. .96 - —
large, cns ..... oz. .96 - —
pwd., precip., cans ..... oz. .91 - —
Sulphate, cns ..... oz. .67 - —
Quinine, 100 ozs., cns ..... oz. .74 - —
Acetate, cns ..... oz. .95 - —
Arsenate, cns ..... oz. .93 - —
Arsenite, cns ..... oz. 1.00 - —
Bisulphate, cns ..... oz. .93 -
Citrate, cns ..... oz. .71 -
Dihydrobromide, bots ..... oz. .74 - —
Dihydrochloride, bots ..... oz. .74 - —
Ethylcarbonate, cns ..... oz. .74 - —
Ferrocyanide, cns ..... oz. 1.00 - —
Formate, cns ..... oz. .93 - —
Hydrobromide, cns ..... oz. 1.13 - —
Hydrochloride, cns ..... oz. .66½ - —
Hydrochlorosulphate, cns .... oz. .74 - —
Hydriodide, cns ..... oz. .96 - —
Hypophosphite, cns ..... oz. .93 - —
Phosphate, cns ..... oz. .81 - —
Salicylate, cns ..... oz. .72 - —
Sulphate, U.S.P. X, cns ..... oz. .53 - —
U.S.P. XI, cns ..... oz. .54½ - —
Sulphocarbolate, cns ..... oz. .96 - —
Tannate, cns ..... oz. .57 - —
Tartrate, cns ..... oz. .96 - —
Valerate, cns ..... oz. .93 - —
Quinine-urea hydrochloride, cns. oz. .74 - —

Petroleum—Red

Potash-magnesia sulphate, 48-53%, min. 49% bgs., shipt. ton. 24.75 - —
Potash-titanium oxalate, kgs .. lb. .22 - .25
Prickly ash bark, bls ..... lb. .11½ - .15
Berries, bls ..... lb. .15 - .16
Prince's pine herb, bls ..... lb. .15 - .16
Propane, tanks, G.3 ..... gal. .03 - .04½
Psyllium seed (see Flaxseed).
Pulsatilla, bls ..... lb. .15 - .16
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 8 or over, works .. lb. .03 - —
less than 8, works .. lb. .03½ - —
F and 1, bbls., 3 or over, works .. lb. .03½ - —
less than 3, works .. lb. .04 - —
0, 0-½, 0-¾, and ½, bbls., 3 or over, works .. lb. .04 - —
less than 3, works .. lb. .04½ - —
Ital.-grd., bgs., c.l., shipt., ex dock, N. Y .. ton. 33.00 Nom.
l.c.l., 5-39 tons, ex whse. ton. 35.00 -
1,000-10,000 lbs., ex whse .. ton. 30.00 - —
2 bgs. to 1,000 lbs., ex whse .. ton. 41.00 - —
single bgs., ex whse. ton. 46.00 - —
Pumpkin seed, bgs ..... lb. .11 - .14
Purple lake (see Red).
Putty com'l, dms ..... 100 lbs. 3.00 - —
linseed oil, raw, dms .... 100 lbs. 4.75 - —
refined, dms ..... 100 lbs. 5.25 - —
standard, dms ..... 100 lbs. 3.75 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrins (Sell test) dms. (incl.) frt. alld. E. of Rockies, standard brand .. gal. 4.25 - 4.60
standard make ..... gal. 4.25 - 4.60
basis 3.6% pyrethrins, dms. (incl.) frt. alld. E. of Rockies, standard brand. gal. 6.25 - 6.60
Pyrethrum flowers, coarse, grnd. (g.f.p), Japan, bgs., 15 tons or over .. lb. .11½ - —
fine powd., Dalmat., bbls., kgs .. lb. .14 - .18
Japan, bbls., 3 tons ..... lb. .14 - —
Pyridin, denaturing, dms ..... gal. 1.80 - —
refd., 2°, dms ..... lb. .40 - —
Pyrites, Spanish, f.o.b. Atl. ports .. unit-ton. .12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib. dms., tins .. lb. 2.15 - 2.45
resublimed, fib. dms., tins .. lb. 4.00 - —

R

R salt, bbls ..... lb. .52 - —
Rapeseed, Belgian, bgs ..... lb. .05½ - .06½
Dutch, bgs ..... lb. .05½ - .06½
Japanese, bgs ..... lb. .05½ - .06½
Raspberries, dried, bbls ..... lb. .80 - .85
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis ..... lb. 1.10 - —
Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport 1¼c.), Miss., N.C., S.C., Tenn., Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; 1¼c. higher dlvd. Tex. (El Paso, 3c.); for Denver, Pueblo, Salt Lake City, Wichita, prices are f.o.b. Chicago.
Amaranth (see Red, maroon, lake).
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld .. lb. .32 - —
smaller lots, same basis. lb. .35 -
kgs., ton lots, same basis. lb. .35 - —
smaller lots, same basis. lb. .39 -
light shade, bbls., ton lots, same basis .. lb. .28 - —
smaller lots, same basis. lb. .30 -
kgs., ton lots, same basis. lb. .30 -
smaller lots, same basis. lb. .32 -
light-medium shade, bbls., ton lots, same basis .. lb. .70 - —
smaller lots, same basis. lb. .73 -
kgs., ton lots, same basis. lb. .75 - —
smaller lots, same basis. lb. .80 - —

Red, Cadmium—Starch

Red, cadmium, lithopone, maroon shade, bbls., ton lots same basis..lb. .90 - —
smaller lots, same basis. lb. .95
kgs., ton lots, same basis. lb. .95 - —
smaller lots, same basis. lb. 1.00 - —
medium shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis. lb. .80 - —
kgs., ton lots, same basis. lb. .80 - —
smaller lots, same basis. lb. .85 -
selenide, bbls., ton lots. works. 2.00 - —
smaller lots, works.....lb. 2.50 - —
Orange, bbls., ton lots, works..lb. 1.50 - —
smaller lots, works....lb. 1.75 - —
Carmine 40, cns., 300 lbs....lb. 4.00 - —
100 lbs.....lb. 4.15 - —
11 lbs.....lb. 4.40 - —
Crocus martis (see Red, purple oxide).
Eosin, kgs.....lb. .65 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N.Y..lb. .06¾- —
80%-85%, bbls., same basis..lb. .07 - —
Iron oxide (see Red, oxide).
Lake C toner, bbls., same basis alizarin lake, contracts..lb. 1.25 - —
open order.....lb. 1.30 - —
Lithol toner, bbls., same basis alizarin lake, contracts..lb. .75 - —
open order.....lb. .80 - —
Lithol-rubin toner, bbls., same basis alizarin lake..lb. 1.65 - —
Maroon lake, 25%, kgs., same basis alizarin lake, contracts, lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls., lb. 1.32 - —
Metallic, bbls., Pa., works..lb. .08 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .06½- —
l.c.l., works.....lb. .06¾- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y..lb. .06¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para toner, concent., kgs., same basis alizarin lake, contracts..lb. .75 - —
open order..lb. .80 - —
Persian Gulf oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y..lb. .04¾- —
ex whse., Chicago, St. Louis..lb. .04¾- —
San Fran., Los Ang., Portland, Seattle ..lb. .06 - —
Phosphotungstic Rhodamine Y, bbls..lb. 3.50 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .05 -
Toner, kgs.....lb. 1.50 - 2.00
Rose lake, bbls.....lb. .20 - .25
Pink, bbls.....lb. .15 - .25
Scarlet ink toner, kgs., same basis alizarin lake..lb. .45 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish oxide, 1, bbls., c.l., f.o.b. N.Y., Pa., ship. pt. or ex dock N. Orleans, Phila.lb. .06¼ Nom.
f.o.b. St. Louis.....lb. .06¾ Nom.
l.c.l., f.o.b. Bethlehem, Easton, N.Y., N. Orleans, Phila..lb. .06¾ Nom.
St. Louis.....lb. .04 Nom.
ex dock or ex whse., San Fran., Los Ang., Port., Seat..lb. .04½ Nom.
ex whse., Chgo., Cleve., Pgh..lb. .04¼ Nom.
2 bbls., c.l., f.o.b. N. Y., Pa., ship pt. or ex dock N. Orleans, Phila..lb. .02¾ Nom.
f.o.b. St. Louis.....lb. .03 Nom.
l.c.l., f.o.b. Bethlehem, Easton, N.Y., N. Orleans, Phila..lb. .12 Nom.
St. Louis.....lb. .03¼ Nom.
ex dock or ex whse., San Fran., Los Ang., Port., Seat..lb. .03¾ Nom.
ex whse., Chgo., Cleve., Pgh..lb. .03¼ Nom.
2, bbls., c.l., f.o.b. N. Y., Pa. ship. pt. or ex dock N. Orleans, Phila. .0265 Nom.
f.o.b. St. Louis.....lb. .0290 Nom.
l.c.l., f.o.b. Bethlehem, Easton, N. Orleans, N.Y., Phila..lb. .0290 Nom.
St. Louis.....lb. .0315 Nom.
ex dock or ex whse., San Fran., Los Ang., Port., Seat..lb. .03¾ Nom.
ex whse., Chgo., Cleve., Pgh..lb. .0340 Nom.
Toluidin toner, kgs., same basis alizarin lake..lb. 1.35 - —
Tuscan, 1, bbls., f.o.b. N. Y., E. St. Louis..lb. .25½- —
2, bbls., same basis.....lb. .20½- —
3, bbls., same basis.....lb. .15½- —
4, bbls., same basis.....lb. .12½- —
5, bbls., same basis.....lb. .24 - —
6, bbls., same basis.....lb. .24 - —
7, bbls., same basis.....lb. .24 - —
8, bbls., same basis.....lb. .23 - —
9, bbls., same basis.....lb. .21½- —
10, bbls., same basis.....lb. .19¾- —
Venetian, bbls., works.....lb. .0190- —
10%, bbls., works.....lb. .0215- —
15%, bbls., works.....lb. .023¾- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03¾- —
30%, bbls., works.....lb. .03 - —
35%, bbls., works.....lb. .0335- —
40%, bbls., works.....lb. .036¾- —
Vermilion, American, bbls., same basis alizarin lake..lb. .15 - —
English quicksilver, bbls., 500-lbs..lb. 1.72 - —
smaller lots.....lb. 1.73 - 1.82
Red dyes are listed under Dyes.
Red precipitate, U.S.P. IX bxs., fib. dms., kgs., 100-lbs..lb. 1.04 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., cns., works..lb. .75 - .80
USP, cryst., cns., kgs., works. lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .06¼- .10
Rhodinol, bots.....lb. 5.75 - 9.00
Rhubarb, root, bbls., cs., kgs..lb. .20 - .21
powd., bbls., kgs.....lb. .24 - .28
Rochelle salt, cryst., bbls.....lb. .14 - —
powd., bbls.....lb. .13 - —
Rose flowers, pale, bls.....lb. .23 - .25
Red, bls.....lb. 2.00 - 2.10
Water, triple.....djn. 4.75 - 5.00
Rosemary flowers, bls.....lb. .35 - .40
Leaves, bls.....lb. .05 - .05½
Rosin, gum, B, bbls., ex dock.. 280 lbs. 9.50 - —
D, bbls.....280lbs. 9.50 - —
E, bbls.....280 lbs. 9.50 - —
F, bbls.....280 lbs. 9.50 - —
G, bbls.....280 lbs. 9.50 - —
H, bbls.....280 lbs. 9.50 - —
I, bbls.....280 lbs. 9.50 - —
K, bbls.....280 lbs. 9.50 - —
M, bbls.....280 lbs. 9.50 - —
N, bbls.....280 lbs. 9.50 - —
W. G., bbls.....280 lbs. 9.50 - —
W. W., bbls.....280 lbs. 10.05 - —
X, bbls.....280 lbs. 10.10 - —
Wood, F.F., bbls., spot. 280 lbs. 8.47 - 9.50
works .....280 lbs. 8.00 - —
K, bbls., spot.....280 lbs. 8.87 -10.00
works .....280 lbs. 8.10 - —
M, bbls., spot.....280 lbs. 8.47 - 9.50
works .....280 lbs. 8.20 - —
N, bbls., spot.....280 lbs. 8.97 -10.00
works .....280 lbs. 8.50 - —
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton. 85.00 - —
l.c.l., ex whse.....ton. 50.00 - —
Import., lump, bbls.....lb. .12 - —
powd., bbls.....lb. .06½- .10
Rue, bls.....lb. .21 - .22

S

Sabadilla seed, powd., bbls....lb. .21 - .23
Saccharin, cns., 1,000 lbs.....lb. 1.70 - —
smaller lots.....lb. 1.75 - 1.90
Safflower, bls.....lb. .27 - .28
Saffron, Mexican, bls.....lb. .50 - .52
Spanish, tins .....lb. 14.00 -15.00
Safrol, cns.....lb. .57 - —
dms. .....lb. .54 - —
Sage, Dalmatian, fancy, bgs..lb. .02¾- .03¾
stemless, bls.....lb. .06¼- .06½
Sago flour, bgs.....lb. .02¾- .03¾
Salicin, cns.....lb. 4.00 - 4.25
Salol, kgs.....lb. .90 - .95
Salt, reclaimed, bgs., c.l., dlvd., N. Y..ton. 13.04 - —
vacuum, common, fine, bgs., c.l., dlvd. N. Y..ton. 14.08 -14.58
l.c.l., dlvd. N. Y.....ton. 17.00 - —
Saltcake, grd., dom., bbls., works. ton. 19.00 -23.00
bulk, works.....ton. 12.00 -16.00
import, bulk, c.i.f.....ton. 12.00 -12.50
Chrome (see Chrome cake).
Saltpeter, crude (see Potash nitrate).
dbl. refined, cryst., bbls., 25 to c.l.....100 lbs. 6.90 - 7.65
5-24 .....100 lbs. 7.00 - 7.75
1-4 .....100 lbs. 7.25 - 8.00
gran., bbls., 25 to c.l. 100 lbs. 5.90 - —
5-24 .....100 lbs. 6.00 - —
1-4 .....100 lbs. 6.25 - —
powd., bbls., 25 to c.l. 100 lbs. 6.90 - —
5-24 .....100 lbs. 7.00 - —
1-4 .....100 lbs. 7.25 - —
Santonin, cryst., cns.....lb. 43.00 -45.00
Saponin, cns.....lb. 1.45 - 1.50
Sarsaparilla root, Honduras, bls. lb. .45 - .50
Mexican, bls.....lb. .13 - .15
Sassafras bark, ord., bls.....lb. .11 - .12
select, bls.....lb. .21 - .22
Savory, bls.....lb. .07 - .07½
Saw palmetto berries, bgs.....lb. .30 - .31
Scammony root, bgs.....lb. .06 - .07
Schaeffer's salt, bgs.....lb. .48 - .50
Seidlitz mixture, bbls.....lb. .11¼- —
kegs .....lb. .11¾- —
Senega root, bls.....lb. .36 - .38
Senna leaves, Alexandria, bls. lb. .09 - .10
Tinnevelly, No. 1, bls.....lb. .11 - .12
2, bls.....lb. .07½- .08
3, bls.....lb. .06 - .07
powd., bbls., bxs.....lb. .09 - .10
siftings, bls.....lb. .09 - .10
Pods, bls.....lb. .06 - .07
Serpentaria root, bls.....lb. .70 - .75
Shellac, bleached, bonedry, bbls., f.o.b. N. Y..lb. .18 - .18½
dlvd. Boston.....lb. .18½- .19
Chicago .....lb. .19 - .19½
Pacific Coast.....lb. .21 - .21½
refd., bbls., f.o.b. N.Y.....lb. .24 - —
dlvd. Boston .....lb. .24½- —
Chicago .....lb. .25 - —
Pacific Coast.....lb. .27 - —
Garnet, bgs.....lb. .16 - .17
Orange, D.C., VSO., Diamond, cases..lb. .25 - .26
superfine, bgs., f.o.b. Bost., N.Y..lb. .14½- .15
dlvd. Chicago.....lb. .15½- .16
Pacific Coast.....lb. .17½- .18
T.N., bgs., f.o.b. Bost., N. Y. lb. .13½- .14
dlvd. Chicago.....lb. .14½- .15
Pacific Coast.....lb. .16¼- .17
Shellac, varnish, orange, 5-lb. cut, bbls..lb. .90 - 1.00
4½-lb. cut., bbls.....gal. .85 - .95
4-lb. cut, bbls.....gal. .80 - .90
white, 5-lb. cut, bbls.....gal. 1.05 - 1.15
4½-lb. cut, bbls.....gal. 1.00 - 1.10
4-lb. cut bbls.....gal. .95 - 1.05
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works. ton. 20.00 - —
l.c.l., 2½ tons, works. ton. 21.50 - —
smaller lots, works. ton. 23.00 - —
95-97%, 400 mesh, bgs., c.l., works..ton. 35.00 - —
l.c.l., 2½ tons, works. ton. 36.50 - —
smaller lots, works. ton. 38.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works. ton. 21.00 - —
l.c.l., 2½ tons, works. ton. 22.50 - —
smaller lots, works. ton. 24.00 - —
96-98%, 325 mesh, bgs., c.l., works..ton. 22.00 - —
l.c.l., 2½ tons, works. ton. 23.50 - —
smaller lots, works. ton. 25.00 - —
99%, 325 mesh, bgs., c.l., works..ton. 24.00 - —
l.c.l., 2½ tons, works. ton. 25.50 - —
smaller lots.....ton. 27.00 - —
hard-quartz, 140 mesh, bgs., c.l., works..ton. 14.00 - —
l.c.l., works.....ton. 17.00 - —
Silver bullion.....oz. .45¼- —
Govt. purchase.....oz. .7757- —
Silver nitrate, vls.....oz. .32¾- .34½
Nucleinate, cns., 500 ozs....oz. .35 - .36
Proteinate, cns., 500 ozs....oz. .34 - .35
Simarubra bark, bls.....lb. .28 - .30
Skatol, bots.....oz. 4.00 -10.00
Skullcap, Eastern, bls.....lb. .20 - .22
Western, bls.....lb. .20 - .22
Skunk cabbage root, bls.....lb. .10 - .11
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton. 10.00 -15.00
Sloe berries, bgs.....lb. .11 - .12
Smalt, black, extra velvet, bbls. lb. .05 - .06
Blue, bbls.....lb. .06½- .07
Snakeroot, Canad., bls.....lb. .24 - .26
Soapbark, bls.....lb. .07 - .08
crushed, bls., bbls.....lb. .11 - .12
cut, bls., bbls.....lb. .09 - .10
powd., bbls.....lb. .13 - .14
Soda, sbicetate, dms.....lb. .08 - —
Acetate, anhyd., dms.....lb. .09½- .13
flake, 60%, dms.....lb. .04½- .05½
Alginate, dms.....lb. .04 - —
Antimoniate, bbls.....lb. .12 - .12½
Arsenate, dms.....lb. .09½- .11½
Arsenite, liq., dms.....lb. .40 - .75
Soda, ash, dense, 55%, bgs., c.l., works..100 lbs. 1.25 - —
l.c.l., Zone 1.....100 lbs. 2.15 -
1A .....100 lbs. 2.15 -
2 .....100 lbs. 2.28 -
3 .....100 lbs. 2.53 -
4 .....100 lbs. 2.93 -
5 .....100 lbs. 2.20 -
bbls., c.l., works....100 lbs. 1.50 -
l.c.l., Zone 1.....100 lbs. 2.27 -
1A .....100 lbs. 2.42 -
2 .....100 lbs. 2.52 -
3 .....100 lbs. 2.77 -
4 .....100 lbs. 3.17 -
5 .....100 lbs. 2.47 -
bulk, c.l., works....100 lbs. 1.10 -
extra light, 58%, bgs., c.l. 100 lbs. 1.23 -
l.c.l., Zone 1.....100 lbs. 2.15 -
1A .....100 lbs. 2.15 -
2 .....100 lbs. 2.23 -
3 .....100 lbs. 2.43 -
4 .....100 lbs. 2.68 -
5 .....100 lbs. 2.20 -
bbls., c.l.....100 lbs. 1.60 -
l.c.l., Zone 1.....100 lbs. 2.47 -
1A .....100 lbs. 2.53 -
2 .....100 lbs. 2.62 -
3 .....100 lbs. 2.87 -
4 .....100 lbs. 3.27 -
5 .....100 lbs. 2.87 -
bulk, c.l.....100 lbs. 1.05 -
light, 58%, bgs., c.l., works. 100 lbs. 1.23 -
l.c.l., Zone 1.....100 lbs. 2.03 -
1A .....100 lbs. 2.13 -
2 .....100 lbs. 2.23 -
3 .....100 lbs. 2.43 -
4 .....100 lbs. 2.88 -
5 .....100 lbs. 2.20 -
bbls., c.l., works....100 lbs. 1.50 -
l.c.l., Zone 1.....100 lbs. 2.37 -
1A .....100 lbs. 2.42 -
2 .....100 lbs. 2.52 -
3 .....100 lbs. 2.77 -
4 .....100 lbs. 3.17 -
5 .....100 lbs. 2.47 -
bulk, c.l.....100 lbs. 1.05 -

Soda ash l.c.l. prices are for 5 or more pkgs. of one sort, dlvd. usual trucking distance of whse., or f.o.b. cars whse., pt.; less than 5 pkgs., add 15c. per 100 lbs. ex-whse., deduct 10c. per 100 lbs. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. Indry. of Va. and Ky.; Zone 1A, N. E. States (in Me., N.H., Vt., special local prices apply for shipts. to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Miss., Miss., Mo. (except St. Louis), N.C., Omaha, S.C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N.D., Okla., S.D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N.M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 lbs., or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
dms., 4,000 lbs. or more..lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52
Bicarbonate, gran., bbls., c.l., works..100 lbs. 2.15 - —
powd., bbls., c.l., works. 100 lbs. 1.75 - —
l.c.l., dlvd. N.Y.....100 lbs. 2.40 - —
kgs., c.l.....100 lbs. 2.00 - —
l.c.l., dlvd. N.Y....100 lbs. 2.65 - —
Bichromate, spot, c.l., works. lb. .06¾- —
6 cks. or 10 bbls. or over, works..lb. .06¾- —
5 cks. or 9 bbls. or less, works..lb. .07 - —
Bifluoride, bbls.....lb. .11¼- .12
Bisulphate (see Niter cake).
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.25 - 3.35
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works. 100 lbs. 1.55 - —
33 deg., bbls., c.l. works 100 lbs. 1.35 - —
l.c.l., bbls., works. 100 lbs. 1.60 - —
35 deg., bbls., c.l., works 100 lbs. 1.40 - —
l.c.l., bbls., works. 100 lbs. 1.65 - —
40 deg., bbls., works 100 lbs. 1.55 - —
l.c.l., bbls., works. 100 lbs. 1.80 - —
Bromide, bbls.....lb. .31 - .32
Cacodylate, jars.....lb. 6.50 - 6.75
Carbonate (see Soda ash, soda menohydrated soda, sal).

Caustic, flake, 76%, grd., powd., ammon. process, bbls., c.l., works..100 lbs. 2.25 - —
dms., c.l., works. 100 lbs. 2.00 - —
l.c.l., Zone 1...100 lbs. 4.00 - —
1A .....100 lbs. 4.05 - —
2 .....100 lbs. 4.15 - —
3 .....100 lbs. 4.40 - —
4 .....100 lbs. 4.80 -
5 .....100 lbs. 4.60
electro process, dms., c.l. works..100 lbs. 2.95 - —
l.c.l., same zone prices as ammon. process.
liquid, 47-49%, buyer's tanks, works..100 lbs. 2.22½- —
seller's tanks, works..... 100 lbs. 2.25 - —
70%, buyer's tanks, works, 100 lbs. 2.27½- —
seller's tanks, works..... 100 lbs. 2.25 - —
solid, 76%, ammon. process, dms., c.l., works..100 lbs. 2.60 - —
l.c.l., Zone 1...100 lbs. 3.60 - —
1A .....100 lbs. 3.65 - —
2 .....100 lbs. 3.75 - —
3 .....100 lbs. 4.00 - —
4 .....100 lbs. 4.40 - —
5 .....100 lbs. 4.20 - —
electro process, dms., c.l., works..100 lbs. 2.85 - —
l.c.l., same zone prices as ammon process.

Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- .08
powd., bgs., c.l., works..lb. .06¾- —
l.c.l., works.....lb. .07 - .09½
Citrate, USP VIII, gran., bbls., 225 lbs. .21 - —
cns., 50 lbs.....lb. .23 - —
25 lbs.....lb. .25 - .26
kgs., 100 lbs.....lb. .22 - —
USP X, gran., bbls., 250 lbs. lb. .27½- —
cns., 50 lbs.....lb. .29½- —
25 lbs.....lb. .31½- .32½
kgs., 100 lbs.....lb. .28½- —
powd., bbls., 250 lbs.....lb. .28 - —
cns., 50 lbs.....lb. .30 - —
25 lbs.....lb. .32 - .35
kgs., 100 lbs.....lb. .29 - —
Cyanide, 96-98%, dom., dms..lb. .15¼- .17½
Import., cs.....lb. .16¾- .17
Fluoride, white, 95%, bbls., c.l., f.o.b. Phila..lb. .07½- —
l.c.l., 10 or over, same basis..lb. .08 - —
5-9, same basis.....lb. .08 - —
1-4, same basis.....lb. .08¼- —
Soda, Fluoride, white, 95%, bbls., c.l., same basis..lb. .07½- —
l.c.l., 10 or over, same basis..lb. .08 - —
5-9, same basis.....lb. .08¼- —
1-4, same basis.....lb. .08¾- —
Soda fluoride prices at Los Angeles are f.a.s. Phila.
Glycerophosphate, cryst., bbls., cns., 100 lbs..lb. 1.10 - —
solution, 75%, cns.....lb. .90 - —
50%, cns.....lb. .85 - —
Hydrosulphite, bbls.....lb. .17 - —
Hydroxide, USP, sticks, cns., 100 lbs..lb. .92 - .94
Hypophosphite, cns.....lb. .67 - .72
Hyposulphite, cryst., large, bbls. 100 lbs 2.40 - 2.65
pea, bbls.....100 lbs 2.50 - 2.65
gran., bbls.....100 lbs. 2.75 - 2.80
Iodate, jars.....lb. 5.62 - 5.67
Iodide, jars.....lb. 1.90 - 1.95
Metanilate, kgs.....lb. .42 - .43
Metasilicate, cryst., bbls., c.l., works..100 lbs. 2.75 - —
gran., bbls., c.l., works. 100 lbs. 2.15 - —
l.c.l. dlvd.....100 lbs. 2.65 - 2.15
Molybdate, tech., anhyd., kgs., lb. .75 - .80
cryst., kgs.....lb. .65 - .70
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthenate, bbls.....lb. .09 - —
Naphthionate, bbls.....lb. .52 - .54
Nitrate, crude, 100-lb. bgs., Dec. June dlvy., ports.....ton. 27.50 - —
200-lb. bgs., same basis. ton. 26.50 - —
bulk, same basis.....ton. 25.50 - —
rfd., gran., bbls, 10-25. 100 lbs. 2.25 - —
5-9 .....100 lbs. 2.40 - —
1-4 .....100 lbs. 2.65 - —
powd., bbls.....lb. .05½ Nom.
Nitrite, 96-98%, dom., bbls., c.l..lb. .0710- .0725
l.c.l. .....lb. .0685- .0710
Oxalate, neut., bbls., kgs....lb. .09 - .11
Perborate, NF, bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Phosphate, dibasic, tech. bgs., c.l., works.....100 lbs. 1.75 - —
l.c.l., works.....100 lbs. 2.00 - 2.05
bbls., c.l., works....100 lbs. 1.95 - —
l.c.l., works.....100 lbs. 2.20 - 2.25
Monobasic, anhyd., bbls., c.l. 100 lbs. 7.51 - —
l.c.l. .....100 lbs. 8.35 - —
tribasic, bgs., c.l., works..... 100 lbs. 1.75 - —
l.c.l., works.....100 lbs. 2.00 - 2.05
bbls., c.l., works....100 lbs. 1.95 - —
l.c.l., works.....100 lbs. 2.20 - 2.25
kgs., c.l., works....100 lbs. 2.45 - —
l.c.l., works.....100 lbs. 2.70 - —
Picramate, kgs..... lb. .07 - .09
Prussiate, yellow, bbls., works, contracts..lb. .10 - —
spot .....lb. .11¼- —
Pyrophosphate, anhyd., bbls..lb. .10 - —
cryst., bbls.....lb. .06½- —
Sal, bgs., dlvd. N. Y...100 lbs. 1.30 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N.Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bgs..... lb. .47 - —
Sesquisilicate, dms., c.l., works. 100 lbs. 3.00 - —
20 dms. and up, dlvd. N.Y.C. 100 lbs. 3.65 - —
5-19 dms.....100 lbs. 4.10 - —
1-4 dms.....100 lbs. 4.30 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works.... 100 lbs. 1.00 - —
1-4, works.....100 lbs. 1.20 - —
43°, dms., c.l., works. 100 lbs. 1.35 - —
l.c.l., 5 or more, works... 100 lbs. 1.60 - —
1-4, works.....100 lbs. 1.75 -
Silicofluoride, dom., bbls.....lb. .06½- .07
import, bbls.....lb. .06½- .07
Stannate, dms.....lb. .33½- .36½
Stearate, lump, bbls., works..lb. .20 Nom.
powd., bbls., works.....lb. .24 - —
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works. 100 lbs. 1.70 - 1.90
less than 5 tns, works. 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt)
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 2.75 - —
less than 5 tons, dlvd.. 100 lbs. 2.90 - —
flake, chips, broken, bbls., c.l. works..100 lbs. 2.50 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 4.00 - —
less than 5 tons, dlvd... 100 lbs 4.25 -
solid, bbls., c.l., works. 100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 3.50 -
less than 5 tons, dlvd... 100 lbs. 3.75 -
Sulphite, cryst., bgs., works, 100 lbs. 2.10 - 2.35
bbls.....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 2.25
l.c.l., 5 or more....100 lbs. 2.50 -
1-4 .....100 lbs. 2.60 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .38 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see hyposulphite)
Tungstate, CP, kgs.....lb. 1.30 - 1.40
tech., kgs.....lb. .85 - .90
Solvent naphtha, high-flash, dms., works, frt. equald..gal. .26 - —
tanks, same basis.....gal. .21 - —
Water-white, dms., works. gal. .35 - —
tanks, E. of Omaha, frt. alld..gal. .30 - —
W. of Omaha, works..gal. .30 - —
Sorbitol, com'l, syrup, dms., basis sorbitol cont., works. lb. .26 - —
Sparteine sulphate, cns.....oz. 1.10 - 1.15
Spearmint leaves, bls.....lb. .22 - .23
Spikenard root, bls.....lb. .13 - .15
Spruce extract, bbls., works...lb. .01½- —
tanks, works.....lb. .01 - —
powd., bgs.....lb. .04 - —
super, bbls., works.....lb. .01⅝- —
tanks, works.....lb. .01⅜- —
Squawvine leaves, bls.....lb. .13 - .14
Squill, red, bls.....lb. .14 - .15
White, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .12 - .13
St. Ignatius beans, bgs.....lb. .31 - .32
St. John's bread, bls .....lb. .08 Nom
Starch, corn, pearl, bgs...100 lbs. 3.80 - 4.00
powd., bgs.....lb. 3.90 - 4.10
Iodide, bots.....lb. 1.87 - 1.92
Potato, dom., bgs.....lb. .04½- .05
Import., bgs.....lb. .03 - .04
Rice, bbls.....lb. .07¼ Nom
Wheat, bgs.....lb. .06¾- .08

Stavesacre seed, bgs.	lb.	.35 -	.40
Stearin, oleo, bbls.	lb.	.09½-	.09¾
Stillingia root, bls.	lb.	.08 -	.09
Stoneroot, bls.	lb.	.06½-	.07
Storax, cs.	lb.	.33 -	.35
Stramonium leaves, bls.	lb.	.11 -	.12
Seed, bgs.	lb.	.09 -	.10
Strontium bromide, bbls.	lb.	.80 -	.85
Carbonate, pure, bbls.	lb.	.30 -	.31
Iodide, jars	lb.	2.80 -	2.88
Nitrate, dom., bbls., c.l., works,	lb.	.07¾-	—
25 bbls. and over	lb.	.08¾-	—
¼ bbls.	lb.	.08¾-	—
import, bbls.	lb.	.08½-	.09
Strophanthus seed, Kombe, bgs.	lb.	1.45 -	1.50
Strychnine, cryst., cns.	oz.	.43 -	.51
powd., cns.	oz.	.38 -	.41
Acetate, cns.	oz.	.64 -	—
Arsenate, cns.	oz.	.66 -	—
Arsenite, cns.	oz.	.64 -	—
Glycerophosphate, cns.	oz.	.65 -	—
Hydrochloride, cns.	oz.	.64 -	—
Hydrophosphite, cns.	oz.	.75 -	—
Nitrate, cns.	oz.	.58 -	—
Phosphate, cryst., cns.	oz.	.65 -	—
Sulphate, cryst., cns.	oz.	.42 -	.45
powd., cns.	oz.	.52 -	.55
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works	lb.	.45 -	—
tech., bbls., l.c.l., works	lb.	.40 -	—
Sugar coloring, bbls.	gal.	.65 -	1.05
Milk, bbls., c.l.	lb.	.13 -	—
l.c.l., 10 or over	lb.	.15 -	—
less than 10	lb.	.16 -	.17
Sulphonethylmethane, kgs.	lb.	6.75 -	6.80
Sulphonmethane, kgs.	lb.	5.25 -	5.30
Sulphur, crude, bulk, 1,000 tons, mines, contracts	long ton.	18.00 -	—
c.l., spot, nearby	long ton.	21.00 -	—
ex vessel, Balto., N. Y., Phila., Southern ports,	long ton.	22.00	-25.00
Bost., Portland	long ton.	22.50	-25.50
flowers, bgs.	100 lbs.	3.00 -	3.75
bbls.	100 lbs.	3.35 -	4.10
ref., broken, bgs.	100 lbs.	2.15 -	2.90
bbls.	100 lbs.	2.30 -	3.05
flour, com'l, bgs.	100 lbs.	1.60 -	2.35
bbls.	100 lbs.	1.95 -	2.70
rfd., ext. fine, bbls.	100 lbs.	3.20 -	3.95
heavy, bgs.	100 lbs.	2.55 -	3.30
bbls.	100 lbs.	2.90 -	3.65
light, bgs.	100 lbs.	2.65 -	3.40
bbls.	100 lbs.	3.00 -	3.75
roll, bgs.	100 lbs.	2.35 -	3.10
bbls.	100 lbs.	2.50 -	3.25
Chloride, dms., works	lb.	.03½-	.04
tanks, works	lb.	.03 -	.04
Dioxide, liq., com'l, cyls., wks.	lb.	.07 -	.09
multi-unit cars, works	lb.	.04½-	.07
tanks, works	lb.	.04 -	.05
refrigeration, cyls., works	lb.	.11 -	.15
multi-unit cars, works	lb.	.07½-	.10
Iodide, bots., jars	lb.	3.80 -	3.85
Sumac, Sicilian, grd., bgs.	ton.	55.00 -	—
Extract, 42°, bbls.	lb.	.04½-	.06½
51°, bbls.	lb.	.06½-	.08½
Stainless, bbls.	lb.	.08¾-	.09¾
Sumac, leaf, Sicilian, bls.	ton.	58.00 -	—
Sunflower seed, Calif., large, bgs.	lb.	.07¼-	.07¾
medium, bgs.	lb.	.06½-	.07
poultry, bgs.	lb.	No Stocks	
Hungarian medium, bgs.	lb.	.07 -	.07¼
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto.	ton.	8.00 -	—
run-of-pile, basis 16%, bulk same basis	ton.	7.50 -	—
triple, 44-45%, a.p.a. bulk, f.o.b. Balto.	unit-ton.	.70 -	—

T

Talc, dom., Calif., 1, bgs., c.l., mills	ton.	20.00 -	—
2, bgs., c.l., mills	ton.	17.00 -	—
N.Y., fibrous, 93-94% 325 mesh, bgs., c.l., mills.	ton.	13.00 -	—
l.c.l., mills	ton.	15.00 -	—
96-98% 325 mesh, bgs., c.l., mills.	ton.	14.00 -	—
l.c.l., mills	ton.	16.00 -	—
coarse, off color, bgs., c.l., mills	ton.	10.00 -	—
Ohio, alum-magn. type, grd. bgs., c.l., mills	ton.	21.00 -	—
l.c.l., mills	ton.	24.50 -	—
Vermont, bgs., c.l., mills	ton.	14.00 -	—
l.c.l., ex whse	ton.	25.00 -	—
import., Canad., bgs., c.l., dlvd.	ton.	28.00 -	—
l.c.l., dlvd	ton.	28.50 -	—
French, high-grade, bgs., l.c.l., ex whse.	ton.	45.00	-60.00
ordinary, bgs., c.l., ex dock, arrival	ton.	23.00	-25.00
l.c.l., ex whse	ton.	27.50	-32.50
Italian, 1, bgs., ex dock, arrival	ton.	65.00	-67.00
ex whse	ton.	85.00 -	—
2, bgs., ex dock, arrival	ton.	60.00	-62.00
Tallow, animal, edible, bbls.	lb.	.08½	Nom.
extra, loose, works	lb.	.07¾-	—
special, loose, works	lb.	.07½-	—
sulphonated 35% (24% fat), dms., c.l.	lb.	.06 -	—
l.c.l.	lb.	.06½-	—
50% (43% fat), dms., c.l.	lb.	.06½-	—
l.c.l.	lb.	.07 -	—
50% (48% fat), dms., c.l.	lb.	.07 -	—
l.c.l.	lb.	.07½-	—
Tamarinds, W. I., bbls.	lb.	.05½-	.06
kegs	keg	4.00 -	5.00
Tankage, animal, dom., grd., 10-15%, bulk, unit-ton.		4.00 &	.10
ungr., 10-15%, bulk	unit-ton.	4.00 &	.10
fertilizer grade, 11-15%, bulk, Chicago	unit-ton.	3.75 &	.10
high-grade feeding, bulk, Chicago	unit-ton.	4.75 &	.10
import., S. Amer., bulk, c.i.f. ports, shipt.	unit-ton.	3.90 &	.10
Tansy leaves, bls.	lb.	.18 -	.20
Tapioca flour, bgs.	lb.	.03½-	.05½
Tar, pine, retort, bbls., dlvd., ports	gal.	.26 -	—
dms., c.l., dlvd. E. cities	gal.	.26 -	—
dlvd. ports	gal.	.25 -	—
tanks, dlvd. E. cities	gal.	.20 -	—
Tar acid oil, 15%, dms, c.l., works	gal.	.21 -	—
l.c.l., same basis	gal.	.24 -	—
25%, dms., c.l., works	gal.	.24½-	—
l.c.l., same basis	gal.	.27½-	—
Tartar emetic, tech., fine gran., bbls., 5 or more	lb.	.24¾-	—
less than 5	lb.	.25 -	—
powd., bbls., 5 or more	lb.	.24¾-	—
less than 5	lb.	.25 -	—
USP, powd. bbls.	lb.	.30 -	.30½
Terebene, cns.	lb.	.70 -	.75
Terebene, cns.	lb.	.70 -	.75
Terpenyl acetate, cns.	lb.	.85 -	1.00
Terpin hydrate, kgs.	lb.	.45 -	.46
Terpineol, CP, cns.	lb.	.21 -	—
dms.	lb.	.23 -	—
Alpha, denat. grade, dms., c.l.	lb.	.14¾-	—
contracts	lb.	.13¾-	—
tanks	lb.	.14 -	—
contracts	lb.	.13 -	—
Terra alba (see Gypsum).			
Tetrachloroethane, dms., works.	lb.	.08 -	.08½
Tetrachloroethylene, CP, dms.	lb.	.25 -	.28
tech., dms.	lb.	.10 -	.10½
Tetralin, dms.	lb.	.12 -	—
Theobromine, cns.	lb.	1.85 -	1.95
Sodiosalicylate, cns.	lb.	1.65 -	1.75
Thiocarbanilide, dms.	lb.	.20 -	—
Thorium nitrate, cs., works	lb.	2.20 -	—
Thyme, French, bls.	lb.	.10¾-	.11
Thymol, bots., 100 lbs.	lb.	1.55 -	—
smaller lots	lb.	1.60 -	1.85
Iodide, kgs., 50 lbs.	lb.	3.15 -	3.20
25 lbs.	lb.	3.25 -	3.30
Timbo root, powd., imp't., 5% rotenone, bbls., ex-dock, approved assay, 15 tons	lb.	.26½-	—
5 tons, same basis	lb.	.27 -	—
4% rotenone prices 5c. per lb., less.			
Tin, crystals, bbls., kgs.	lb.	.38 -	.38½
Metal, Straits	lb.	.50 -	.62½
Oxide, bbls.	lb.	.55 -	.57
Tetrachloride, anhyd., bbls.	lb.	.25¾-	—
Titanium, dioxide, bgs., c.l. (20 tons), E., frt. alld.	lb.	.16 -	—
Pac. cst., f.o.b. terminals.	lb.	.16 -	—
l.c.l., 1,000-39,999 lbs., E. dlvd.	lb.	.16½-	—
Pac. cst., ex whse.	lb.	.16½-	—
50-999 lbs., E. dlvd.	lb.	.16¾-	—
Pac. cst., ex whse.	lb.	.16¾-	—
under 50 lbs., E. dlvd.	lb.	.19 -	—
Pac. cst., ex whse.	lb.	.19 -	—
bbls., c.l. (20 tons) E., frt. alld.	lb.	.16¼-	—
l.c.l., 1,000-39,999 lbs., E. dlvd.	lb.	.16¾-	—
50-999 lbs., E. dlvd.	lb.	.17 -	—
pigment, barium base, bgs., 1,000-lb. lots, E. frt. alld.	lb.	.05¾-	—
Pac. cst., f.o.b. terminal.	lb.	.05¾-	—
50-999 lbs., E. dlvd.	lb.	.06 -	—
Pac. cst., ex whse.	lb.	.06 -	—
under 50 lbs., E. dlvd.	lb.	.06¾-	—
bbls., 1,000-lb. lots, E., frt. alld.	lb.	.06 -	—
50-999 lbs., E. dlvd.	lb.	.06¼-	—
calcium base, bgs., 1,000-lb. lots, E. frt. alld.	lb.	.05¾-	—
Pac. cst., f.o.b. terminal.	lb.	.05¾-	—
50-999 lbs., E. dlvd.	lb.	.06 -	—
Pac. cst., ex whse.	lb.	.06 -	—
under 50 lbs., E. dlvd.	lb.	.06¾-	—
bbls., 1,000-lb. lots, E. frt. alld.	lb.	.06 -	—
50-999 lbs., E. dlvd.	lb.	.06¼-	—
Tolidin base, kgs.	lb.	.88 -	.90
distilled, kgs.	lb.	.95 -	1.00
Tolu, balsams, cns.	lb.	.48 -	.53
Toluidin, mixed, dms.	lb.	.27 -	.28
Toluol (toluene), pure, dms., works,	gal.	.35 -	—
tanks, E. of Omaha, frt. alld.	gal.	.30 -	—
W. of Omaha, works	gal.	.30 -	—
Tonga vine, NF, bls.	lb.	.28 -	.30
Tonka beans, Angostura, cks.	lb.	2.50 -	2.60
Triacetin, dms.	lb.	.36 -	—
Triamyl borate, dms., l.c.l., works.	lb.	.27 -	—
Triamylamine, dms, l.c.l., works.	lb.	1.25 -	—
Trichloroethylene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.089 -	—
W. of Rockies	lb.	.099 -	—
l.c.l., works, frt. alld. E. of Rockies	lb.	.094 -	—
W. of Rockies	lb.	.104 -	—
Tricresyl phosphate, CP, cns., dlvd.	lb.	.38 -	.49
dms., c.l., dlvd.	lb.	.32 -	—
500 lbs., dlvd.	lb.	.35 -	—
tech., 1, cns., dlvd.	lb.	.26 -	.37
dms., c.l., dlvd.	lb.	.22½-	—
500 lbs., dlvd.	lb.	.23 -	—
2, cns., dlvd.	lb.	.24 -	.35
dms., c.l., dlvd.	lb.	.20½-	—
500 lbs., dlvd.	lb.	.21 -	—
Triethanolamine, dms., works.	lb.	.26 -	.30
Triphenyl phosphate, dms.	lb.	.37 -	.39
Triphenylguanidin, dms.	lb.	.58 -	.60
Tripoli, air-floated, bgs., c.l., works.	ton.	27.50 -	—
l.c.l., ex whse., N.Y.	ton.	40.00 -	—
1 ton, works	ton.	30.00 -	—
1 bg., works	bag.	4.00 -	—
double-grd., bgs., c.l., works.	ton.	18.00 -	—
l.c.l., 1 ton, works	ton.	22.50 -	—
1 bg., works	bag.	3.50 -	—
once-grd., bgs., c.l., works.	ton.	16.00 -	—
l.c.l., 1 ton, works	ton.	20.00 -	—
1 bg., works	bag.	3.00 -	—
Trisodium phosphate (see Soda phosphate, tribasic).			
Tungsten metal, powd., 98%, dms.	lb.	1.80 -	1.90
Oxide, CP, kgs.	lb.	2.65 -	2.75
tech., kgs.	lb.	1.65 -	1.75
Turmeric root, Alleppy, bgs.	lb.	.06 -	.06½
Madras, bgs.	lb.	.06 -	.06½
Turpentine, spirits, gum, bbls., c.l., ex dock	gal.	.44¾-	—
l.c.l., 10, ex dock	gal.	.46¾-	—
5, ex dock	gal.	.48¾-	—
wood, dest.-dist., dms., c.l., dlvd. E. ports	gal.	.36 -	—
l.c.l., same basis	gal.	.38 -	—
tanks, dlvd., E. cities	gal.	.31 -	—
steam-dist., dms., c.l., dlvd.	gal.	.42 -	—
l.c.l., dlvd.	gal.	.45 -	—
tanks, dlvd.	gal.	.37 -	—

U

Unicorn root, false (see Helonias root). True (see Aletris root.)			
Uranium oxide, kgs.	lb.	1.50 -	—
Urea, dom., 46 + % N, bgs., 20 tons, f.o.b. Atl. ports or Belle, W. Va.	ton.	95.00 -	—
10 to 19 tons, same basis.	ton.	100.00 -	—
1 to 9 tons, same basis.	ton.	110.00 -	—
100 to 1,900 lbs., same basis.	100 lbs.	1.00 -	—
import, 46% N, bgs., 20 tons, f.o.b. Atl. ports, shipt.	ton.	95.00 -	—
10 to 19 tons, same basis.	ton.	100.00 -	—
1 to 9 tons, same basis.	ton.	110.00 -	—
100 to 1,900 lbs., same basis.	100 lbs.	1.00 -	—
pure, cs.	lb.	.14½-	.15½
Urea-ammonia liquor, 55% ammon., tanks, f.o.b. Atl. ports.	unit-ton.	No prices	
Uva ursi leaves, bls.	lb.	.12 -	.13

V

Valerian root, 67s.	lb.	.11 -	.12
Valonia, beards, bgs., shipt.	ton.	46.00 -	—
Cups, bgs., shipt.	ton.	34.00	Nom.
Vanilla beans, Bourbon, tins.	lb.	3.75 -	4.25
Mexican, tins	lb.	4.00 -	4.50
cut, tins	lb.	3.50 -	3.75
South American, tins.	lb.	3.50 -	3.75
Vanillin, ex eugenol, 25-lb. tins, 2,000 lbs. or more	lb.	3.65	—
1,000 lbs. or more	lb.	3.70 -	—
900 lbs. or less	lb.	3.75 -	—
5-lb. tins, 2,000 lbs. or more.	lb.	3.75 -	—
1,000 lbs. or more	lb.	3.80 -	—
900 lbs. or less	lb.	3.85 -	—
1-lb. tins, 2,000 lbs. or more.	lb.	3.90 -	—
1,000 lbs. or more	lb.	3.95 -	—
900 lbs. or less	lb.	4.00 -	—
1-oz. tins, 2,000 lbs. or more.	lb.	4.25 -	—
1,000 lbs. or more	lb.	4.30 -	—
900 lbs. or less	lb.	4.35 -	—
single lbs.	lb.	4.80 -	—
single ozs.	lb.	5.15 -	—
Vanillin, ex guaiacol, 10c. per lb. less.			
Venice turpentine, true, cs.	lb.	.47 -	.49
Verdigris, kgs.	lb.	.24	Nom.
Violet, methyl, toner (see M).			
V.M.P. naphtha (see petroleum naphtha, v.m.p.).			

W

Wahoo root bark, bls.	lb.	.65 -	.70
tree, bark, bls.	lb.	.20 -	.22
Wattle bark, bgs., shipt.	ton.	30.00	-30.50
Extract, 60°, bbls.	lb.	.03¾-	—
Wax, bayberry, import, bgs.	lb.	.17½-	.20
Bees, white, bleach., slabs., cs., 500 lbs.	lb.	.36 -	.40
yellow, crude, Africa, bgs., lots of 10	lb.	.25 -	.25½
1 bg.	lb.	.25½ -	.26
Brazil, Chile, bgs., 5-10 tons	lb.	.27¼-	.28
1 ton	lb.	.28 -	.28½
500 lbs.	lb.	.28½-	.29
100 lbs.	lb.	.29 -	.29¼
refd., slabs, cs., lbs.	lb.	.29½-	.32
Candelilla, bgs., 1 ton	lb.	.15 -	.15½
jobbing lots	lb.	.15½-	.16
Carnauba, chalky 3, bgs., 1 ton.	lb.	.34 -	.34½
5 bags	lb.	.34½-	.35
1 bg.	lb.	.35 -	.35¼
N. C. 2 bgs.	lb.	.38 -	.38½
N. C. 3 bgs., 1 ton	lb.	.34 -	.34½
5 bgs.	lb.	.34½-	.35
1 bg.	lb.	.35 -	.35½
refined, bgs.	lb.	.38 -	.39
yellow, 1 bg., 1 ton	lb.	.44½-	.45
5, bgs.	lb.	.45 -	.45½
1, bgs.	lb.	.45½-	.46
2, bgs.	lb.	.43½-	.44
Ceresin, dom., 138°-140° m.p., bgs., 1 ton	lb.	.08 -	—
jobbing lots	lb.	.09 -	—
150°-160° m.p., bgs., 1 ton	lb.	.09 -	—
jobbing lots	lb.	.10 -	—
160° m.p., bgs., 1 ton	lb.	.10 -	—
jobbing lots	lb.	.11 -	—
Japan, cs.	lb.	.09 -	.09¼
Montan, bgs., c.l.	lb.	.10¾-	.11¼
5 tons	lb.	.11 -	.11½
less than 1 ton	lb.	.11¼-	.11¾
Ozokerite, hard green, congeal p. 66°-68° C., bgs.	lb.	.32	Nom.
70°-72° C., bgs.	lb.	.35	Nom.
74°-76° C., bgs.	lb.	.38	Nom.
snow-white, pure, 76°-78° C., bgs.	lb.	.45 -	.46
yellow, natural, 76°-78° C., bgs.	lb.	.35 -	.36
Paraffin (see P).			
Spermaceti, blocks, cs.	lb.	.23 -	.24
cakes, cs.	lb.	.24 -	.25
White lead (see Lead, white).			
White pine bark, rossed, bls.	lb.	.05½-	.06
White precipitate, powd., bbls., bxs., 5lb. dms.	lb.	1.68 -	—
Whiting, chalk, comi., dry-grd., blp. bgs., c.l., works	ton.	12.00 -	—
l.c.l., works	ton.	14.00 -	—
bbls., c.l., works	ton.	15.00	-16.00
l.c.l., works	ton.	17.00 -	—
pap. bgs., c.l., works	ton.	11.50	-12.50
l.c.l., works	ton.	13.50	-14.50
wet-grd., bgs., c.l., works.	ton.	14.50	-15.00
l.c.l., works	ton.	15.00	-19.00
bbls., c.l., works	ton.	17.00	-18.00
l.c.l., works	ton.	18.50	-20.00
glider's, bolted, blp. bgs., c.l., works	ton.	15.00 -	—
l.c.l., works	ton.	16.00 -	—
bbls., c.l., works	ton.	18.00	-19.50
l.c.l., works	ton.	19.00	-20.00
pap. bgs., c.l., works	ton.	14.50	-15.50
l.c.l., works	ton.	15.50	-16.50
extra bolted, blp. bgs., c.l., works	ton.	15.00 -	—
l.c.l., works	ton.	16.00 -	—
extra bolted, bbls., c.l., works	ton.	18.00	-22.50
l.c.l., works	ton.	19.00	-22.00
pap. bgs., c.l., works	ton.	14.50	-17.50
l.c.l., works	ton.	15.50	-18.50
Paris white, blp. bgs., c.l., works	ton.	15.00 -	—
works	ton.	15.00 -	—
l.c.l., works	ton.	16.00 -	—
bbls., c.l., works	ton.	18.00	-24.00
l.c.l., works	ton.	19.00	-25.00
pap. bgs., c.l., works	ton.	14.50	-20.00
l.c.l., works	ton.	15.50	-21.50
English cliffstone (see Whiting, chalk, Paris white).			
limestone, air floated, 99.75% 200 mesh, bgs. (extra), c.l., frt. alld. to 32 per ton	ton.	10.00 -	—
99.75% 200 mesh, bgs., c.l., same basis	ton.	9.00 -	—
95-99% 200 mesh, c.l., same basis	ton.	7.50 -	—
40-99% 200 mesh, c.l., same basis	ton.	6.50 -	—
gilders, bgs. (extra), c.l., works	ton.	11.50 -	—
l.c.l., 8-20 tons, works	ton.	12.50 -	—
4-8 tons, works	ton.	13.50 -	—
2-4 tons, works	ton.	14.50 -	—
extra, ogs. (extra), c.l., works	ton.	12.50 -	—
l.c.l., 8-20 tons, works	ton.	13.50 -	—
4-8 tons, works	ton.	14.50 -	—
2-4 tons, works	ton.	15.50 -	—
putty grade, bgs. (extra), c.l., works	ton.	11.00 -	—
l.c.l., 8-20 tons, works	ton.	12.00 -	—
4-8 tons, works	ton.	13.00 -	—
2-4 tons, works	ton.	14.00 -	—
water-floated, bgs. (extra), c.l., works	ton.	11.50 -	—
l.c.l., 8-20 tons, works	ton.	12.50 -	—
4-8 tons, works	ton.	13.50 -	—
2-4 tons, works	ton.	14.50 -	—
precipitated, bgs., c.l., works.	ton.	15.00 -	—
l.c.l., 5 tons, works	ton.	20.00 -	—
smaller lots, works	ton.	25.00 -	—
Wild cherry bark, thick, natural.	lb.	.04½-	.05
rossed, bls.	lb.	.05½-	.07
thin, natural, bls.	lb.	.05 -	.05½
rossed, green, bls.	lb.	.08 -	.09½

Stavesacre—Zinc Arsenite

Wild indigo root, bgs.	lb.	.09 -	.10
Witch-hazel extract, dist., NF, bbls.	gal.	.35 -	.95
Leaves, bls.	lb.	.07 -	.08
Witherite (see Barium carbonate, natural).			
Woodflour, dom., fine, bgs., c.l., works	ton.	24.00	-30.00
standard, bgs., c.l., works.	ton.	18.00	-24.00
import, 40-70 mesh, bgs., ex dock	ton.	30.00 -	—
80-100 mesh, bgs., ex dock	ton.	35.50 -	—
120 mesh, bgs., ex dock	ton.	31.00 -	—
Wormseed, American, bgs.	lb.	.06 -	.07
Levant, bgs.	lb.	3.50 -	4.00
Wormwood, bls.	lb.	.09 -	.10

X

Xylol (xylene), comi., dms., works	gal.	.35 -	—
tanks, E. of Omaha, frt. alld.	gal.	.36 -	—
W. of Omaha, works	gal.	.30 -	—
tanks, E. of Omaha, frt. alld.	gal.	.41 -	—
W. of Omaha, works	gal.	.41 -	—
5°, dms., works	gal.	.41 -	—
tanks, E. of Omaha, frt. alld.	gal.	.36 -	—
W. of Omaha, works	gal.	.36 -	—
10°, dms., works	gal.	.36 -	—
tanks, E. of Omaha, frt. alld.	gal.	.33 -	—
W. of maha, works	gal.	.33 -	—
Xylidin, mixed, dms.	lb.	.36 -	.37

Y

Yara yara, cryst., cns.	lb.	1.33 -	1.88
Yellow, cadmium, CP, import., bxs.	lb.	2.50 -	—
Lithopone, all shades, bbls., 1 ton, works, frt. alld.	lb.	.49 -	—
smaller lots, same basis.	lb.	.45 -	—
kgs., same basis	lb.	.50 -	—
Sulphide, orange, bbls., works.	lb.	.90 -	.95
Yellow, bbls., works	lb.	.90 -	1.00
Chrome, CP, bbls., dlvd. N. of Tenn. and N.C. E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paule, contracts	lb.	.12 -	—
open order	lb.	.13 -	—
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; 1½c. higher dlvd. Tex. (El Paso, 3c.); for Denver, Pueblo, Salt Lake City, Wichita, prices are f.o.b. Chicago.			
Dutch pink, bbls.	lb.	.06 -	.10
Mercury oxide (see M).			
Ocher, American, golden, A, bbls., works	lb.	.06¼-	—
B, bbls., works	lb.	.04½-	—
C, bbls., works	lb.	.03½-	—
yellow, A, bbls., works	lb.	.03½-	—
B, bbls., works	lb.	.02½-	—
C, bbls., works	lb.	.02 -	—
D, bbls., works	lb.	.0195-	—
E, bbls., works	lb.	.01775-	—
F, bbls., works	lb.	.01½-	—
G, bbls., works	lb.	.01¾-	—
W, bbls., works	lb.	.01¼-	—
French, all shades, cks., c.l., ex car L. Angeles	lb.	.0335-	—
ex dock Balto., Bost., N. Orleans, Phila. (dlvd. or f.o.b., 10c. per 100 lbs. additional)	lb.	.02¾-	—
Port., S. Francisco, S. Pedro, Seattle	lb.	.0625-	—
f.o.b. N.Y.	lb.	.03¾-	—
l.c.l., dlvd. Brook., Hoboken, J. City, L. I. City, N.Y. (Newark, 5c. per 100 lbs. additional), from dock	lb.	.03¾-	—
from whse.	lb.	.04¼-	—
ex car L. Angeles	lb.	.05¼-	—
ex dock Balto, Bost., N. Orleans, Phila. (dlvd. or f.o.b., 10c. per 100 lbs. additional)	lb.	.02¾-	—
Port., S. Francisco, N. Y.	lb.	.03¾-	—
S. Pedro, Seattle	lb.	.03¾-	—
ex whse, Balto., Bost., N. Orleans, Phila., (dlvd. or f.o.b., 10c. per 100 lbs. additional)	lb.	.03 -	—
Chi., St. Louis, Indipolis., K. City, Milwk., St. Louis (dlvd. or f.o.b., 10c. per 100 lbs. additional)	lb.	.03¾-	—
L. Angeles, Port., S. Francisco, Seattle	lb.	.03¾-	—
Minneap. (dlvd. or f.o.b., 10c. per 100 lbs. additional	lb.	.03¾-	—
N. Y.	lb.	.03¼-	—
Pittsgh. (dlvd. or f.o.b., 10c. per 100 lbs. additional)	lb.	.03½	—
f.o.b. Bethlehem, Easton	lb.	.03¼-	—
N.Y., from dock	lb.	.03¾-	—
from whse.	lb.	.03¾-	—
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y.	lb.	.04¼-	—
l.c.l., same basis	lb.	.04¾-	—
synth., bbls., c.l., works	lb.	.06¾-	—
l.c.l., works	lb.	.07 -	.07¼
Yellow, Persian orange (see O)			
Zinc, bbls., same basis chrome CP, contracts	lb.	.12 -	—
open order	lb.	.13 -	—
Yellow dock root, bls.	lb.	.09 -	.11
Yellow root (xanthorisa), bls.	lb.	.09 -	.10
Yerba santa leaves, bls.	lb.	.06 -	.08
Yohimbine hydrochloride, vis.	oz.	2.60 -	2.85

Z

Zinc, arsenite, bgs., cs., c.l., consumers	lb.	.09¾-	.12½
dealers	lb.	.09¾-	.12½
jobbers, E. of Rockies	lb.	.09¾-	.11½
l.c.l., consumers, 5,000 lbs. or over	lb.	.10½-	.12½
1,000-5,000 lbs.	lb.	.11 -	.14
less than 1,000 lbs.	lb.	.11½-	.14½
dealers, 5,000 lbs. or over.	lb.	.10½-	.12½
1,000-5,000 lbs.	lb.	.10½-	.13½
less than 1,000 lbs.	lb.	.11 -	.14
jobbers, E. of Rockies	lb.	.12 -	.13

Zinc arsenite prices are works or whse. basis, frt. alld. to dest. in lots of 20 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.

YOU WILL FIND GLYPTAL SOLUTION No. 2462 SUPERIOR FOR WHITE BAKING AND AIR-DRYING FINISHES

For kitchen cabinets, refrigerators, business machines, radiators, bicycles and for hundreds of other similar products which require hard and tough enamel finishes, General Electric has developed Glyptal Solution No. 2462 — a superior vehicle.

When enamels are formulated with No. 2462, highest quality is assured because it is very resistant to discoloration at high baking temperatures and to yellowing in sunlight or darkness. Its extra degree of hardness will make your enamels tougher and more durable. You can expect longer wearing life because of its resistance to abrasion by handling.

When used in air-drying finishes, No. 2462 drys dust-free rapidly and its through-drying is superior to that of many other straight oil modified alkyd resins. Another outstanding benefit is the application of a heavy film without danger of wrinkling.

Write for a sample of No. 2462 and learn from actual test its superiority for white baking and air-drying finishes. Appliance and Merchandise Dept., General Electric Company, Bridgeport, Connecticut.

GENERAL ELECTRIC

GLYPTAL

APPLIANCE AND MERCHANDISE DEPARTMENT GENERAL ELECTRIC COMPANY, BRIDGEPORT, CONN.

Zinc carbonate, tech., bbls....lb.	.09	-	.10½
USP, precip., powd., bbls..lb.	.21	-	.22
Chloride, fused, dms., c.l., works..100 lbs.	4.25	-	—
l.c.l., dms., works.100 lbs.	4.60	-	—
gran., dms, c.l., works.100 lbs.	5.00	-	—
l.c.l., dms, works.100 lbs.	5.75	-	—
solution, dms., works.....lb.	.07½	-	—
tanks, works.....lb.	.02	-	—
Cyanide, kgs., works.....lb.	.36	-	—
Dust, bbls., c.l., dlvd.....lb.	.0705-		—
l.c.l., 10,000 lbs. or over, dlvd..lb.	.0780-		—
less than 10,000 lbs., dlvd. lb.	.0830-		—
Fluoride, bbls.....lb.	.20	-	.30
Iodide, bots., jars.....lb.	4.00	-	4.08
Metal (see daily quotations in port).	Market re-		
Oxide, pigment, dom., Amer. process, coml., lead-free, bgs., c.l., dlvd..lb.	.05¼-		—
l.c.l., dlvd. except Pac. cst..lb.	.05½-		—
ex whse.,Pac.cst.lb.	.05½-		—
bbls., c.l., dlvd.....lb.	.05½-		—
l.c.l., dlvd., except Pac. cst..lb.	.05¾-		—
ex-whse.,Pac. cst.lb.	.05¾-		—
leaded, 5%, 35%, bgs., c.l., dlvd..lb.	.05¼-		—
l.c.l., dlvd., except Pac. cst..lb.	.05¾-		—
ex whse.,Pac.cst.lb.	.05¾-		—
bbls., c.l., dlvd.....lb.	.05¾-		—
l.c.l., dlvd., except Pac. cst..lb.	.05¾-		—
ex-whse.,Pac. cst.lb.	.05¾-		—
50%, bgs., c.l., dlvd..lb.	.05¼-		—
l.c.l., dlvd., except Pac. cst..lb.	.05½-		—
ex-whse.,Pac. cst.lb.	.05½-		—
bbls., c.l., dlvd.....lb.	.05½-		—
l.c.l., dlvd., except Pac. cst..lb.	.05¾-		—
ex-whse.,Pac. cst.lb.	.05¾-		—
French process, coml., lead-free, bgs., c.l., dlvd.lb.	.05¼-		—
l.c.l., dlvd. except Pac. cst..lb.	.05½-		—
ex whse., Pac. cst. lb.	.05½-		—
bbls., c.l., dlvd.....lb.	.05½-		—
l.c.l., dlvd., except Pac. cst..lb.	.05¾-		—
ex-whse.,Pac. cst.lb.	.05¾-		—
green seal, bgs. c.l., dlvd. lb.	.06¼-		—
l.c.l., dlvd., except Pac. cst. .....lb.	.06½-		—
ex whse., Pac. cst. lb.	.06½-		—
bbls. c.l., dlvd.....lb.	.06½-		—
l.c.l., dlvd., except Pac. cst..lb.	.06¾-		—
ex-whse.,Pac. cst.lb.	.06¾-		—
red seal, bgs., c.l., dlvd. lb.	.05¾-		—
l.c.l., dlvd. except Pac. cst..lb.	.06	-	—
ex whse., Pac. cst. lb.	.06	-	—
bbls., c.l., dlvd.....lb.	.06	-	—
l.c.l., dlvd., except Pac. cst..lb.	.06¼-		—
ex-whse.,Pac. cst.lb.	.06¼-		—
white seal, bgs., c.l., dlvd. lb.	.06¾-		—
l.c.l., dlvd. except Pac. cst..lb.	.07	-	—
ex whse., Pac. cst. lb.	.07	-	—
bbls., c.l., dlvd.....lb.	.07	-	—
l.c.l., dlvd., except Pac. cst..lb.	.07¼-		—
ex-whse.,Pac. cst.lb.	.07¼-		—
import., gold seal, cks., ex dock..lb.	.10½-		11¼
green seal, bbls.,1-15 tons, ex dock..lb.	.07¼-		.08¾
ex whse.....lb.	.07¾-		.09¼
red seal, bbls., 1-15 tons, ex dock..lb.	.08¾-		—
ex whse.....lb.	.09	-	—
white seal, cks., lots of 5, ex dock..lb.	.09¾-		—
ex whse.....lb.	.10	-	—
smaller lots, ex dock lb.	.10	-	—
ex whse.....lb.	.10¼-		—
Oxide, USP, bbls., c.l.....lb.	.08	-	—
l.c.l. .....lb.	.08¼-		—
Palmitate, bbls.....lb.	.22	-	.28
Resinate, fused, pale, bbls...lb.	.09	-	.10
precip., dms., dlvd.....lb.	.15	-	—
Stearate, tech., precip., bbls., ctns., c.l..lb.	.20	-	—
l.c.l., 1 ton.....lb.	.21	-	—
1,000-2,000 lbs.....lb.	.22	-	—
less than 1,000 lbs..lb.	.23	-	—
USP, bbls.....lb.	.21	-	.28
Sulphate, cryst., bgs., c.l.100 lbs.	2.65	-	—
l.c.l. .....100 lbs.	3.15	-	—
bbls., c.l.....100 lbs.	2.80	-	—
l.c.l. .....100 lbs.	3.30	-	—
flake, bgs., c.l....100 lbs.	3.05	-	—
l.c.l. .....100 lbs.	3.55	-	—
bbls., c.l.....100 lbs.	3.20	-	—
l.c.l. .....100 lbs.	3.70	-	—
powd., bgs., c.l.....100 lbs.	4.85	-	—
l.c.l. .....100 lbs.	4.95	-	—
bbls., c.l.....100 lbs.	4.50	-	—
l.c.l. .....100 lbs.	5.00	-	—
Sulphide, bgs., c.l. (20 tons), dlvd..lb.	.09	-	—
l.c.l., dlvd. E. or ex whse., Pac. cst..lb.	.09¼-		—
bbls., c.l. (20 tons), dlvd..lb.	.09¼-		—
l.c.l., dlvd. E. or ex whse., Pac. cast..lb.	.09¼-		—
Sulphocarbolate, NF, bbls...lb.	.24	-	.28
Zinc-ammonia chloride, dms., c.l., works..100 lbs.	4.65	-	—
l.c.l., dms, works.....100 lbs.	5.00	-	—
Zinc-iron oxide pigment, bgs.,c.l., dlvd..lb.	.08¾-		—
l.c.l., dlvd. except Pac. cst..lb.	.09¼-		—
ex whse., Pac. cst.....lb.	.09¼-		—
Zirconium nitrate, kgs., works.lb.	2.00	-	4.00
Oxide, crude, 73-75%, grd.,bbls., works...ton.	75.00	-	100.00
kgs., small lots, works..lb.	.04½-		.04½
white, 98%, grd., kgs., works. lb.	1.40	-	1.50

Synthetic Resins
and other
Branded Paint Materials
(Manufacturers' List Prices)

A

Abalyn resin, 55-gal. dms., non-returnable, works..lb.	.16	-	—

B

Bakelite, BR, 254, dms., 30,000 lbs., works..lb.	.48	-	—
15,000 lbs., works.....lb.	.49	-	—
5,000 lbs., works.....lb.	.50	-	—
Bakelite, 802, dms., 30,000 lbs. works..lb.	.26	-	—
15,000 lbs., works.....lb.	.26½-		—
5,000 lbs., works.....lb.	.27	-	—
1329, dms., 30,000 lbs., works. lb.	.32	-	—
15,000 lbs., works.....lb.	.33	-	—
5,000 lbs., works.....lb.	.34	-	—
2072, dms., 30,000 lbs., works. lb.	.23	-	—
15,000 lbs., works.....lb.	.23½-		—
5,000 lbs., works.....lb.	.24	-	—
2963, dms., 30,000 lbs., works. lb.	.24	-	—
15,000 lbs., works.....lb.	.24½-		—
5,000 lbs., works.....lb.	.25	-	—
3360, dms., 30,000 lbs., works. lb.	.45	-	—
15,000 lbs., works.....lb.	.46	-	—
5,000 lbs., works.....lb.	.47	-	—
4036, dms., 30,000 lbs., works. lb.	.40	-	—
15,000 lbs., works.....lb.	.41	-	—
5,000 lbs., works.....lb.	.42	-	—
6882, dms., 30,000 lbs., works. lb.	.44	-	—
15,000 lbs., works.....lb.	.45	-	—
5,000 lbs., works.....lb.	.46	-	—
XJ, 2681, dms., 30,000 lbs., works..lb.	.21½-		—
15,000 lbs., works.....lb.	.22	-	—
5,000 lbs., works.....lb.	.22½-		—
XR, 2175, dms., 30,000 lbs., works..lb.	.23	-	—
15,000 lbs., dms., works.lb.	.23½-		—
5,000 lbs., dms., works..lb.	.24	-	—
2987, dms., 30,000 lbs., works. lb.	.32	-	—
15,000 lbs., works.....lb.	.33	-	—
5,000 lbs., works.....lb.	.34	-	—
3180, dms., 30,000 lbs., works. lb.	.59	-	—
15,000 lbs., works.....lb.	.60	-	—
5,000 lbs., works.....lb.	.61	-	—
Bronze gum, 1, dms., works...lb.	.11	-	—
3, dms., works.....lb.	.09	-	—

C

Cumar, AX, dms., works.....lb.	.05¾-		—
BX, dms., works.....lb.	.05¾-		—
CX, dms., gross weight, works. lb.	.04½-		—
DX, dms., gross weight, works. lb.	.03½-		—
EX, dms., gross weight, works. lb.	.03½-		—
FX, dms., gross weight, works. lb.	.04	-	—
MH, col. ½, dms., works....lb.	.11	-	—
1, dms., works.....lb.	.10	-	—
1½-2, dms., works.....lb.	.09	-	—
2½ and darker, dms., works. lb.	.08	-	—
MS, dms., works.....lb.	.09	-	—
P, 10°-90° C., col. 3 and darker, dms., works..lb.	.09½-		—
RH, dms., works.....lb.	.09	-	—
RS, dms., works.....lb.	.09	-	—
special soft, dms., works..lb.	.09	-	—
V, col. ½, dms., works.....lb.	.11	-	—
1, dms., works.....lb.	.10	-	—
1½-2, dms., works.....lb.	.09	-	—
2½ and darker, dms., works. lb.	.08	-	—
W, col. ½, dms., works.....lb.	.12	-	—
1, dms., works.....lb.	.11	-	—
1½-2, dms., works.....lb.	.10	-	—
2½ and darker, dms., works. lb.	.09	-	—

Cumar prices include frt. equald. with Pittsburgh; prices on contracts terminating June, 1937, are ½c. per pound lower.

D

Durez, 210, dms., c.l., works..lb.	.15	-	—
l.c.l., works.....lb.	.15½-		.16½
500, pale, dms., c.l., works...lb.	.35	-	—
l.c.l., works.....lb.	.36	-	.38
525, dark, dms., c.l., works..lb.	.25	-	—
l.c.l., works.....lb.	.26	-	.28
550, very pale, dms., c.l., works. lb.	.45	-	—
l.c.l., works.....lb.	.46	-	.48

Durez prices, ex whse. Pac. cst., are 2c. higher.

Durite,1,301 dms.,1 ton,frt.alld.lb.	.30	-	—
smaller lots, frt. alld.....lb.	.35	-	—

F

Flat gum, 1, dms., works.....lb.	.14½-		—

G

Guai-a-phene, 10-gal. cns., works gal.	2.57	-	—
5-gal. cns., works.....gal.	2.62	-	—
1-gal. cns., works.....gal.	2.82	-	—
dms., works.....gal.	2.50	-	—

H

Hercolyn, dms. (nonreturnable) works..lb.	.22	-	—

I

Imperial gum, BK, dms., c.l., dlvd .....lb.	.08¾-		—
3,000 lbs., dlvd.....lb.	.09	-	—
smaller lots, dlvd.....lb.	.09¼-		—
X, pale, or hard, pale, dms., c.l., dlvd.....lb.	.08¾-		—
3,000 lbs., dlvd.....lb.	.09	-	—
smaller lots, dlvd.....lb.	.09¼-		—
8, 8H, 8L, dms., c.l., dlvd..lb.	.08¾-		—
3,000 lbs., dlvd.....lb.	.09	-	—
smaller lots, dlvd.....lb.	.09¼-		—
18-20, dms., c.l., dlvd.....lb.	.08¾-		—
3,000 lbs., dlvd.....lb.	.09	-	—
smaller lots, dlvd.....lb.	.09¼-		—
45, dms., c.l., dlvd.....lb.	.08¾-		—
3,000 lbs., dlvd.....lb.	.09	-	—
smaller lots, dlvd.....lb.	.09¼-		—
100, dms., c.l., dlvd.....lb.	.08	-	—
3,000 lbs., dlvd.....lb.	.08¼-		—
smaller lots, dlvd.....lb.	.08½-		—

J

Josite (see Zinc-iron oxide pigment in regular price list above).

K

Kadox (zinc oxide), black, or red label, bgs., c.l., dlvd..lb.	.05¼-		—
l.c.l., dlvd. E. of Rockies.lb.	.05½-		—
Pac. cst., ex whse.....lb.	.05½-		—
bbls., c.l., dlvd.....lb.	.05½-		—
l.c.l., dlvd. E. of Rockies.lb.	.05¾-		—
Pac. cst., ex whse.....lb.	.05¾-		—

L

Lewisol, 1, dms., c.l., works...lb.	.13¼-		—
l.c.l., works.....lb.	.13½-		.14
2, dms., c.l., works.....lb.	.15¼-		—
l.c.l., works.....lb.	.15½-		.16
3, dms., c.l., works.....lb.	.20¼-		—
l.c.l., works.....lb.	.20½-		.21
18, dms., c.l., works.....lb.	.10¾-		—
l.c.l., works.....lb.	.11	-	.11½
115, dms., c.l., works.....lb.	.11¼-		—
l.c.l., works.....lb.	.11½-		.12
120, dms., c.l., works.....lb.	.13¼-		—
l.c.l., works.....lb.	.13½-		.14
125, dms., c.l., works.....lb.	.11¼-		—
l.c.l., works.....lb.	.11½-		.12
150, dms., c.l., works.....lb.	.17¼-		—
l.c.l., works.....lb.	.17½-		.18
Locto, 546, bbls, works.....lb.	.43	-	.45
2102, bbls., works.....lb.	.28	-	.30

N

Nevillac, dms., works.....lb.	.14	-	.15

Nevillac prices include frt. equald.; prices left are for 6-mos. firm contracts for 50,000 lbs. or over; 6-mos. firm contracts, 25,000-50,000 lbs., add ½c.; 6-mos. contracts, less than 25,000 lbs., add ¾c.; prices at right are on open order.

Neville resin, R-3, nevindene, col. 1, dms., works..lb.	.10	-	.11
R-5, nevindene, col. 1½-2, dms., works..lb.	.09½-		.10½
R-6, nevindene, col. 2½ and darker, dms., works..lb.	.08½-		.09¼
R-7, N.P.S., col. below 3, dms., works..lb.	.10	-	.11
R-8, N.P.S., col. below 3, dms., works..lb.	.10½-		.11½
R-10, hard, col. 1, dms., works. lb.	.09	-	.10
R-11, hard, col. 1½-2, dms., works..lb.	.08¼-		.09¼
R-12, hard, col. 2½ and darker, dms., works..lb.	.07½-		.08½
R-14, medium, col. 1, dms., works..lb.	.09	-	.10
R-15, medium, col. 1½-2,dms., works..lb.	.08¼-		.09¼
R-16, medium, col. 2½ and darker, dms., works..lb.	.07½-		.08½
R-17, medium soft, col. 3½-8, dms., works..lb.	.08	-	.09
R-19, medium soft, col. 3½-8, dms., works..lb.	.08	-	.09
R-21, soft, col. 3½-8, dms., works..lb.	.08	-	.09
R-22, special, soft, col. 3½-8, dms., works..lb.	.08	-	.09
R-28, medium soft, col. 1½-2, dms., works..lb.	.09¼-		.10½
R-29, medium soft, col. 2½ and darker, dms., works..lb.	.08½-		.09½
R-41, phenester, col. 3½-5, dms., works..lb.	.15	-	.16

Neville resin prices are on same basis as those for Nevillac.

Nuodex drier, liquid, cobalt, 4%, dms., dlvd..lb.	.20¾-		—
6%, dms., dlvd.....lb.	.24½-		.26½
lead, 16%, dms., dlvd.....lb.	.12	-	.14
24%, dms., dlvd.....lb.	.16	-	.19
manganese, 4%, dms., dlvd. lb.	.12	-	.13
6%, dms., dlvd.....lb.	.14	-	.15
zinc, 8%, dms., dlvd.....lb.	.17	-	.18
solid, cobalt, 12%, dms., dlvd. lb.	.46	-	—
lead, 40%, dms., dlvd....lb.	.28	-	—
manganese, 11%, dms., dlvd. lb.	.25	-	—
zinc, 12%, dms., dlvd.....lb.	.26	-	—

P

Pilolite, milled, dms., 1 ton, works..lb.	.75	-	—
smaller lots, works.....lb.	.79	-	—
unmilled, dms., 1 ton, works.lb.	.66	-	—
smaller lots, works.....lb.	.69	-	—

S

Soligen drier, liquid, cobalt 6%, dms., 10, works..lb.	.23½-		—
less than 10, works..lb.	.25½-		—
lead, 16%, dms., 10, works. lb.	.12	-	—
less than 10, works..lb.	.14	-	—
25%, dms., 10, works...lb.	.19	-	—
less than 10, works..lb.	.21	-	—
manganese, 6%, dms., 10, works..lb.	.14	-	—
less than 10, works..lb.	.16	-	—
zinc, 7%, dms., 10, works.lb.	.13	-	—
less than 10, works..lb.	.20	-	—
solid, cobalt, dms., 10, works. lb.	.45	-	—
less than 10, works..lb.	.47	-	—

Zinc, Carb.—Varcum

Soligen drier, solid, lead, dms., 10, works..lb.	.24	-	—
less than 10, works..lb.	.26	-	—
lead-cobalt, dms., 10, works, lb.	.29	-	—
less than 10, works..lb.	.31	-	—
lead-cobalt-manganese, dms., 10, works..lb.	.30	-	—
less than 10, works..lb.	.32	-	—
lead-manganese, dms., 10, works..lb.	.24	-	—
less than 10, works..lb.	.26	-	—
manganese, dms., 10, works, lb.	.24	-	—
less than 10, works..lb.	.26	-	—
Surfex, bgs., c.l., frt. alld. up to 25c. per 100 lbs..ton.	35.00	-	—

V

Varcum, 250, dms., 25, works..lb.	.42	-	—
less than 25, works.....lb.	.43	-	.44
250 F, dms., 25, works.....lb.	.44	-	—
less than 25, works.....lb.	.45	-	.46
365, dms., 25, works.....lb.	.25	-	—
less than 25, works.....lb.	.26	-	.27
700, dms., 25, works.....lb.	.30	-	—
less than 25, works.....lb.	.31	-	.32

Foreign Trade Openings

Correspondence in regard to any of the following foreign trade opportunities should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, or to any district or co-operative branch office of the bureau, and not to this publication. When writing give the number of the item:—

Calcium carbide:—Agency, Santiago, Cuba (2017).

Cosmetics and other toilet preparations:—Purchase and agency, Tokio, Japan (2011).

Cosmetics and perfumes:—Agency, Johannesburg, South Africa (2013).

Lard:—Agency, Cali, Colombia (2009).

Lubricating oils and greases:—Agency, Bogota, Colombia (2007).

Paraffin:—Agency, Cali, Colombia (2009).

Pharmaceuticals:—Agency, Tegucigalpa, Honduras (2010).

Pharmaceutical specialties, disinfectants, Insecticides, quinine, caustic soda, and anilin dyes:—Agency, Cali, Colombia (2009).

Turpentine:—Agency, Cali, Colombia (2009).

Turpentine, rosin and rosin oil:—Agency, Johannesburg, South Africa (2012).

Bentonite production is to be started near Aberdeen, Miss., by Perel & Lowenstein, a jewelry concern, Memphis. Survey of the area is reported to have disclosed rich deposits of bentonite.

SO DUREZ 550
is too expensive?

"Why use a 48¢ resin when our new pure phenolic resin does the same job and costs only 35¢?"

Maybe you've seen the claims like this in competitive resin advertising, and wondered if Durez 550 weren't priced too high. Well, let's do a little arithmetic . . .

The minimum amount of this 35¢ resin (Resin B) recommended for enamels is 30%.

So . . .

30% of Resin B @ 35¢ = 10½¢

The minimum of Durez 550 now recommended for enamels is 20%.

So . . .

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Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison

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Beyond doubt, there will be hatched during the coming session of Congress a young bird whose descent from the "Blue Eagle" of the NRA will not be difficult to trace. How much resemblance this eaglet will bear to its parent will depend on a number of circumstances—the "Blue Eagle" has laid a great variety of eggs.

Eggs of the 'Blue Eagle'

It can be predicted with much assurance that the coming revivification of efforts to effectuate the purpose of the all-too-easily demolished structure of national industrial reform will repeat the purpose of the labor provisions of the former recovery act. It is quite probable also that the new legislation will insist upon a measure of the fairness in trade attempted in the NRA codes. Whether it will go so far as to proscribe the well-known form of business piracy that masquerades as efficiency is the question that must absorb those who welcomed the short-lived relief afforded them before the "Blue Eagle" was killed by a dead chicken.

Among the variety of eggs deposited in numerous aeries by the "Blue Eagle" none other is so anomalous as is one among those brought to light by that archenemy of the departed bird of economic freedom, the National Retail Dry Goods Association. This association now advocates a voluntary successor of the NRA, which would comprise, among other things:—

> Avoidance of legislation which discriminates against any class of retailers as being inimical to the best interests of consumers.

Difficult as it is to comprehend the exact meaning of that pronouncement, there is reason to assume that it is not in harmony with the Robinson-Patman act and is in purpose far wide of the most valued provision of the NRA codes for retail trades. It savors of the "fair and reasonable" legislation so ardently advocated by those who want no restriction of their practices.

What are the "best interests of consumers"? Are these to be measured by today's bargains or by tomorrow's monopoly, inevitable result of the competitively destructive "loss-leader" system?

There is no common ground on which to meet for voluntary elimination of all trade evils. There can be no common good from weasel-worded definitions of fair dealing. Business is not yet capable of democratic self-government.

To support by wholly unsolicited testimony what has, in these columns, been said and many times repeated about the necessity that business develop a larger measure of appreciation of the importance of the consumer as the foundation of the economic structure, the quotation of the following sentiment is timely and pertinent:—

Consider the Consumer

> I am convinced that when we fully understand the economic history of the period of the twenties, we shall find that the debacle which terminated the end of another apparently highly prosperous period was largely contributed to by a failure of industry to pass its improvement (through labor-saving devices) on to the consumer; and I leave that subject for the moment with just this one word, and that is, we are headed in that same direction again today unless we can bring the intelligence and courage of the engineer into industrial statesmanship.
>
> If increased wages and profits are to absorb the savings which the engineer produces through his labor-saving devices and renewed and new methods, and there is not a reduction of price, which is essential to increasing consumption, thereby we are ourselves by our own neglect producing that mass of technological unemployment. Increasing prices merely because there is a rising demand defeats the very end which statesmanship requires in our industries at this time.

This admonition in behalf of a new deal does not come from the inner circles of the "New Deal." Those words were spoken at a meeting of engineers, five days ago, by one who, out of his own experience not long past, is well able to forecast the eventual consequences of persistent adherence to policies that reflect no comprehension of economic causes and effects. The speaker was Herbert Clark Hoover, former President of the United States.

—O-P-D—

Seeding for the ever-recurring crop of tax legislation will be started this month at a meeting of the congressional joint committee on internal revenue. It is already apparent that a great variety of seed will, at least, be considered by the planters. There is as yet no evidence that the selection of the crops will be any less diversified or more scientific than has been this functioning of the Federal lawmakers in former years. When it is considered that the legislatures of at least forty-two States will be in session in 1937, and that every one of these States has a pressing problem of revenue, it is not necessary to be a seer to expect troublous days.

Business and Taxmaking

Aside from the duplication and triplication that are as yet inseparable from the work of contriving to raise revenue for municipality, State, and nation, there are many reasons to expect that the formulation of the next Federal tax legislation will provide more than enough troubles for business. It must be accepted that, in the construction of the new law—which in itself may be worse than the burdens of the existing scheme—there will be little, if any, purpose of reducing the aggregate yield of Federal internal revenues. Whatever may be taken off in one place will doubtless be added in another. Out of this necessity of maintaining a constant income will come a strong influence to defer the remaking of the tax law as long as possible and to change it as little as possible.

There is no certainty that changes will be made in the two most controversial items of the income tax schedule—the levy on undistributed corporate earnings and the recognition of capital gains and losses. The surplus tax has proved somewhat useful in the purpose to which it is directed. There is a growing feeling in high political councils that this levy should be given a longer trial with the expectation that its effects may in time become more farreaching through influencing the reduction of prices to consumers.

The policy of taxing capital gains as income but recognizing capital losses as deductible offers a still more complicated problem in the harmonizing of economic theory and practice. If capital gains are taxed, capital losses must be deductible, or the scheme is unbearably inequitable. In practice, because of the widely prevailing, illogical yearend disposing of securities to create losses, this form of taxation is not productive. It has been the experience of other nations that not to tax capital gains is to invite another form of tax-avoidance, or tax-evasion in the conversion of taxable income into capital assets. The devil and the deep sea are close together.

Taxation is a business problem—there are few that are more serious. It should get from business something more than constant criticism of existing methods, because, like most business problems, it calls for constructive efforts. Construction of a better system of taxation in all its three parts is not too big a job for business if the work is approached with the proper evaluation of needs and resources. As long as business confines its efforts to the passing of the tax to the other fellow, taxation will be an inequitable burden and a largely unnecessary one. Business would well create now a commission on taxation and insist that it do a thorough job.

—O-P-D—

Industry must draw heavily for its existence on the fats of many lands. This draft by industry in the United States has been increasing as industrial activities have expanded. This situation is reflected in the prices of fluid and solid fats and in the shortages of some of these materials now existing.

The Fats Of the Lands

Circumstances have made considerable changes in the markets for fats in the past two years. Agricultural restrictions in this country caused a large increase in imports of these materials. The imposition of an import tax later worked in the opposite direction. New fats have come into industrial prominence. Synthesized fatty acids, sulphonated alcohols, and other new products of the chemical industry are taking the place of natural fats in the soap and other industries.

The picture of the market position of fats is a confused one. Hogs are being rushed to market and stocks of lard are being piled up. It is impossible to get deliveries of some vegetable oils within months. The futures markets on others are markedly high. Price data in many instances have a real significance that does not appear on their face.

Prices now average almost 23 percent higher than they did at the middle of this year; they have been advanced about 5.6 percent during the past month, but they are still about 3.3 percent below the level of this time last year. They dropped about 20 percent below last year's low mark. They have recovered more rapidly, and it is probable that they will go higher than the 1935 top.

Imports of fats in the first nine months of this year were 120,000,000 pounds less than those in the corresponding period in 1935; imports of oilseeds were smaller by 153,000,000 pounds. Production from domestic materials is dropping farther below current demand. The outcome? Probably more shifting to different materials.

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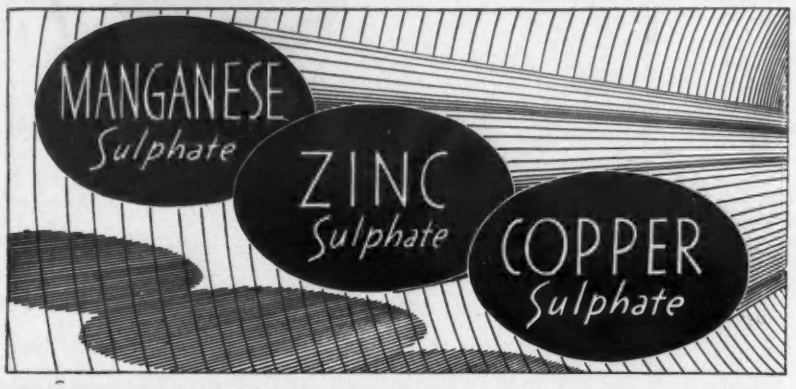

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Heavy Chemicals

Soda Acetate, Soda Bisulphite Solution, Soda Sulphite and Zinc Chloride Schedules Issued—Hydrated Potash Carbonate Lower—Methyl Chloride Prices Readjusted

The market for industrial chemicals was fairly active during the week just closed. Manufacturing consumers continued to cover for representative production schedules. Interest continued to be concerned mainly with 1937 prices, for the majority of schedules carry a clause to the effect that contemplated price revision must be made known fifteen days before the termination of a quarter. Schedules reaching the trade last week included those for soda sulphite crystals, soda bisulphite solution, carbonate of potash, soda acetate, zinc chloride, zinc ammonium chloride, chlorosulphonic acid and oxalic acid.

Reports from various parts of the country indicated that manufacturing activities were moving forward; in fact, in some instances production reached the highest level on record for the current year. Steel mill operations were estimated at a high level for this year, and the automobile industry was gradually stepping up production under seasonal influences. The textile trade was working at a good level, but in some insances labor difficulties hampered activities. Labor unsettlement was also noted in the glass trade. Tin salts were fractionally lower, the decline in tin prices coming about as a result of a reactionary movement in the Straits tin price. Methyl chloride price has been issued, effective December 7, the schedule listing prices on a nationwide basis.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None.

Reduced

Potash, carbonate, ½c. per lb.

Comparative Values

Index numbers compiled from twelve typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
153.5	153.5	153.3	153.3

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.4	99.4	99.4	99.3

Market news that may have developed after this report was sent to press will be found on page 4.

Alums.—The call for commercial alum continued at good pace during the week just ended. Producers were busily engaged in writing business for 1937. Sellers reported the market for iron-free in a steady price position. No change was uncovered in the ammonia or potash alums.

Ammonia, Anhydrous.—The pivot of activity in this market was contract-writing, considerable progress having been made in booking substantial quantities for shipments during the next year.

Ammonia Bicarbonate.—Although the market was a rather quiet affair as far as current demand was concerned, sellers reported quotations were firm, and interest was concerned mainly with booking business for 1937. Prices have been extended for that period.

Ammonia Carbonate.—This situation revealed improvement from a demand standpoint, consumers ordering out conservative quantities. Prices held firm.

Antimony.—The market for the metal was quiet during the week just ended, consumers showing no inclination to purchase beyond actual production requirements. Quotations were about the same as at the close of the preceding period.

Arsenic.—Business in the white material continued at a highly irregular pace during the week just closed. Prices held firm. There was little to report in the market for red arsenic. Prices were unaltered. September imports of metallic arsenic amounted to 3,307 pounds, valued at $865.

Barium Salts.—There was little to report in this direction, interest being centered on soliciting contracts for carbonate and chloride business for 1937. Unground witherite imports for September amounted to 727,000 pounds, valued at $5,950; hydrate, 80,838 pounds, valued at $2,839; nitrate, 13,148 pounds, valued at $963.

Bleaching Powder.—The market for bleaching powder continued quiet during the week just ended. Producers were reported to have a good amount of business scheduled for 1937. September imports amounted to 259,882 pounds, valued at $4,992.

Blue Vitriol.—This market showed little change from recent weeks, sellers reporting prices displayed a firm tone. The firmness could be attributed to a continuance of a similar tone in the basic metal. Demand from industrial accounts indicated consumers were covering for immediate needs only.

Calcium Chloride.—A good inquiry was noted here regarding shipments for early 1937 delivery, a firm price tone being in evidence. Further progress has been reported in booking 1937 contract business.

Carbon Tetrachloride. — Shipments were moving for the account of the cleaning fluid companies at a good pace, producers reporting prices appeared firm at the levels established for 1937.

Chlorine.—Interest in this direction continued to be centered on writing 1937 business. Cylinder business last week was fairly good. Prices ruled firm.

Copper.—Price for copper in the domestic market continued firm. Guesses were being made as to probable rate of consumption locally during November, belief being expressed that the domestic figure will hold close to the October level of about 76,000 tons. This would imply a possible further reduction in stocks during that month. However, it is also the opinion that, with consumers likely to be desirous of holding down inventory for the year-end statements, consumption of copper during the forthcoming months as measured by producer deliveries, might possibly show a falling off. Then again, figures covering primary and custom smelter production will be looked for more keenly as it is generally conceded that primary output has been sharply increased in recent months, not only abroad but also in this country. Full effects of these increases in output will have their effect on the refined position during the first quarter of next year.

Copperas.—A fairly active call was reported for this material during the week just ended. Sellers were holding firmly to previous prices. Steel mill operations were estimated at 75.9 percent of capacity, against 74.3 percent in the previous period, an increase of 1.6 points or 2.2 percent, according to the American Iron and Steel Institute. A month ago operations were at 74.7 percent and a year ago at 56.4 percent. Operations this week equal the high point of the year reached in the week of October 12.

Feldspar.—Demand from the ceramic industry was good. Prices held firm. Shipments of feldspar by Canadian producers during August amounted to 1,910 tons as compared with 2,859 tons shipped in July, and 1,923 tons in August, 1935, according to figures just issued by the Dominion Bureau of Statistics at Ottawa. In the 8 months ending August, 12,104 tons were shipped compared with 10,505 tons in the same period last year. Ground feldspar imports in August consisted of 44 tons worth $879, against 87 tons valued at $1,832 in July. For the January-August period the total was 437 tons valued at $8,617.

Glauber's Salt.—Conditions here were much the same as in the preceding period. Sellers were engaged mainly in writing business for 1937. A firm tone was noted.

Lead Acetate.—A firm tone ruled the dealings in this direction, shipments were moving out at a good pace. Prices held unchanged at the levels established recently.

Methyl Chloride.—Effective December 7, the schedule for methyl chloride follows: spot and contract, retail, 60 to

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

999 pounds, 43c. per pound; 1,000 pounds and up, 37c. per pound. Prices are delivered and freight allowed. Freight allowed to any common carrier-point in United States on full and empty movements when material is shipped from the major stock points, Niagara Falls, Chicago, Baltimore and El Monte, California. Shipments from other warehouse points are f.o.b. those points. Delivery is free within the municipal limits of all warehouse and major stock points. Refrigeration machine manufacturers, 60 to 999 pounds in 60-90-130 pound cylinders, 36c. per pound; 1,000 pounds and up, 32c. per pound; in multi-unit tankcars, 18,000 pounds, 31c. per pound. Advance of 10c. per pound for shipments in 20 pound cylinders.

Nickel Salt.—Demand continued good for single and double salts. Prices ruled firm. The plating industry was operating at a good rate as a result of the high level of activity in the automobile industry.

Potash Carbonate.—The new schedule for this material follows: Hydrated, car lots, 5½c. per pound; less car lots 5¾c. per pound; calcined, car lots, 6½c. per pound; less car lots, 6¾c. per pound. Prices are f.o.b. sellers works, freight equalized. The new schedule for the liquid follows: tanks, 2¾c. per pound; car lots, 2⅞c. per pound; less car lots, 10 drums or over, 3¼c. per pound; less than 10 drums, 3½c. per pound.

Potash Caustic.—A good inquiry was reported for this material, sellers were concentrating their efforts on securing signed 1937 contracts, the price schedule for which represents a duplication of the current schedule.

Potash Chlorate.—Prices appeared steady. Match makers were ordering out fair-sized quantities.

Salt.—Prices continued firm. Figures just issued by the Dominion Bureau of Statistics at Ottawa show that commercial salt shipments by Canadian producers in August amounted to 19,726 tons compared with 20,962 tons in July and 15,786 tons in August, 1935. For the eight months ending August 31, shipments totaled 139,111 or 1.9 percent above the 136,457 tons shipped in the same period last year. In August Canada exported 336 tons compared with 214 tons in July. Imports in August rose to 13,687 tons valued at $58,299 from the July total of 10,266 tons valued at $46,275. Sources of the August imports, with percentages, were:—United States, 31.1; Great Britain, 25.3; Spain, 21.9; British West Indies, 18.3; Newfoundland, 3.2.

Saltcake.—Shipments were moving out at a consistent pace during the week just closed. Prices were unchanged. Reports stated that a major glass-making plant closed at Ottawa, Illinois, because of labor difficulties.

Soda Acetate.—Sellers reported prices were 4½c. per pound for car lot shipments and 5½c. per pound for less than car lot shipments for 1937.

Soda Ash.—There was a good demand shown in this direction. Producers were occupied largely with contract business.

Soda Bicarbonate.—A favorable demand was noted here. Prices ruled unchanged. It is reported that Japan recently contracted for export to a Mexican port of 10 tons monthly, according to the assistant trade commissioner at Tokyo.

Soda Bisulphite.—Schedule of prices for the solution follows:—32 degree, car lot, barrels, $1.30 per 100 pounds; 33 degrees, $1.35 per 100 pounds; 35 degrees, $1.40 per 100 pounds; 40 degrees, $1.55 per 100 pounds. The less than car lot quotation for all degrees is uniformly 25c. per 100 pounds above the car lot prices. Prices are f.o.b. sellers works, net 30 days.

Soda Caustic.—A firm tone ruled the dealings in this market, the call coming from the usual channels of consumption. Sellers were occupied with writing 1937 business.

Soda Cyanide.—A good demand was reported in this direction. Sellers reporting prices were decidedly firm. The plating trade continued to supply the major portion of the interest.

Soda Fluoride.—A fairly active demand was shown for this product. Prices were holding firm. The trade was awaiting the issuance of 1937 prices.

Soda Silicofluoride.—A steady tone was disclosed in this direction during the week just ended. Prices were unchanged. The call came from the ceramic industry and other routine consumers.

Soda Sulphite.—Prices for crystals for 1937 follows, effective immediately:—Carloads, bags, $2.10 per 100 pounds; barrels, $2.30 per 100 pounds; less, car lots, bags, $2.35 per 100 pounds; barrels, $2.55 per 100 pounds. Prices are f.o.b. sellers' works, freight equalized. Terms, net 30 days.

Tin Salts.—Prices for crystals and anhydrous tetrachloride of tin were lower fractionally, resulting from a decline in the price for Straits tin. London Central News cable stated that the world supply of tin at the end of November including carryovers, totaled 22,137 tons, against 17,975 tons on hand at the beginning of the month, an increase of 4,162 tons. At the end of September world visible supply plus carryovers totaled 15,972 tons. Visible supply of tin on December 1, amounted to 18,264 tons, against 13,327 tons on November 1, an increase of 4,937 tons. Straits settlements carryover amounted to 2,939 tons on December 1, against 3,688 tons on November 1, a decrease of 741 tons, and Holland carryover of 934 tons, on December 1 compared with 960 tons on November 1, a drop of 26 tons. On October 1, visible supply amounted to 12,663 tons, Straits Settlements carryover 2,476 tons, and Holland carryover totaled 833 tons, a combined total of 15,972 tons.

Zinc Salts.—Prices for granulated zinc chloride follows: car lots, $5 per 100 pounds; less car lots, drums, $5.75 per 100 pounds; fused, $4.25 per 100 pounds for car lots; $4.60 per 100 pounds for less than car lots. Prices are f.o.b. sellers works. Terms net 30 days. Price for car lots of zinc ammonium chloride is $4.65 per 100 pounds; less car lots, $5 per 100 pounds. Prices are f.o.b. sellers works, 30 days net.

Acids

The market for various acids was steady to firm during the week just closed. Schedules were issued for chlorosulphonic acid and oxalic acid. Prices for oxalic acid were basically unchanged, a few minor changes having been made in less than car lot bracket regarding withdrawal specifications. Sulphuric acid continued in a firm position. There was little to report in the market for acetic acid, demand being fairly good and a steady tone was noted in the price structure. Boric acid demand continued good. Sellers were busily engaged in writing 1937 business.

Acetic.—Demand was fairly good during the week. Prices held firm.

Battery.—A fairly active buying movement was shown for this material during the week. No change was uncovered in quotations.

Boric.—This market noted a firm tone during the week just closed. Sellers were engaged mainly in booking 1937 business.

Chlorosulphonic.—Prices for this material follows: Tanks, 3c. per pound; carload drums, 3½c. per pound; 5 drum lots, 4c. per pound; one drum lots, 5c. per pound. Prices are f.o.b. sellers works, freight equalized. Terms are 30 days net.

Formic.—A firm tone continued to govern this market during the week. Sellers reported quotations were unchanged from the levels established recently. A good volume of business has been booked for early 1937 shipment.

Hydrofluoric.—Usual buyers supplied the interest in this market. And the trade was awaiting 1937 prices.

Lactic.—A sizable demand was shown for this product during the week. Sellers were asking previous values.

Muriatic.—This market revealed little change during the course of the week under review, with sellers reporting consumers were adhering to the policy of purchasing for immediate wants only. Prices ruled unaltered.

Nitric.—Demand here lacked improveprovement during the week just ended, but the volume was sufficient to give the market a steady to firm tone.

Oxalic.—A firm tone ruled in this market. Sellers were soliciting 1937 business, the price schedule for which has been issued on the basis of 11c. per pound for car lot quantities. A minor change was noted in the less than car lot bracket as far as withdrawal specifications were concerned.

Sulphuric.—A good demand was reported here. Prices ruled firm. Steel mill operations were reported at the highest level for the current year at 72.5 percent of capacity. The automobile industry was also operating at a high level. Reports from Japan stated a sulphuric acid plant, with a 50 ton daily capacity, was being erected near Kyoto.

Baltimore, Dec. 2.—This being the between-seasons period, when the buyers

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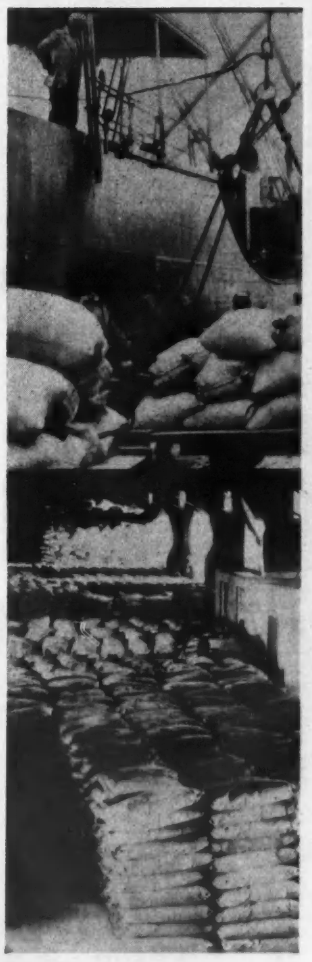

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of crude fertilizer materials have no immediate needs to take care of and are out of the market for the time being, trading in sulphuric acid is naturally limited to the requirements of other industries, whose wants, however, make up a very impressive part of the business done by the acid makers. Despite the lack of interest among makers of fertilizer mixtures, the market for acid continues firm to strong, with the producers not at all inclined to consider concessions. There have been no important changes in the acid situation otherwise, with acid making materials evidently in adequate supply, so that even pyrites acid has been turned out in sufficient quantities. The producers still quote $13 per ton for 60 degree and $16 per ton for 66 degree acid and continue to talk about the possibility and even the probability of a further advance in the quotations. The pyrites users seem to feel that by the time the stocks of ore in this country are exhausted, the way will be open for further imports from Spain, which country furnishes the bulk of the supply needed by the American acid plants. The situation as to oleum is also unchanged, with $17 per ton asked.

Insecticides

The market for agricultural insecticides and fungicides moved through a quiet week. Demand reflected the off-season influences. Despite the slow character of the call, the market appeared steady to firm, for the interest of sellers was centered mainly on formation of contracts. Lead arsenate was dull. A firm tone ruled in the market for bordeaux mixture. A steady to firm price tone was noted in calcium arsenate. There was little to report in nicotine sulphate.

Bordeaux Mixture.—Demand was quiet during the week. Prices ruled firm.

Calcium Arsenate.—Although the market was a rather drab affair, sellers reported a firm tone prevailed.

Lead Arsenate.—Despite the dull character of the call, quotations continued in a firm position.

Nicotine Sulphate.—This market presented little change from recent weeks, demand being highly irregular, and prices were unchanged.

German Chemical Exports

The chemical export trade of Germany is showing an increase in value this year after having declined steadily since 1932. The records for the first nine months of this year show exports in this class to the value of 497,705,000 marks. This compares with a total value of 473,033,000 marks for the corresponding period in 1935 and 552,717,000 marks for the 1932 period, according to information received by the Department of Commerce from the consulate in Frankfort-on-Main.

The volume of German chemical exports also is increasing this year, the total for the first nine months being 2,521,534 metric tons, against 2,515,037 tons for the corresponding period in 1935. This trade has been steadily increasing in volume since 1933 and is now larger than that in 1932 when the total for the first nine months was 2,430,647 tons.

Exports of materials in the various divisions of the chemical trade compare as follows for the first nine months of 1936 and 1935:—

	Metric tons	
	1936.	1935.
Coaltar, pitch, crudes, oils, intermediates	105,370	66,526
Coaltar dyes	23,042	23,484
Explosives	7,142	4,571
Heavy chemicals	1,129,062	1,081,042
Medicinals	3,845	3,586
Nitrogenous fertilizers	457,745	458,411
Pigments, paints, varnishes, lacquers	71,941	71,096
Potash, crude	385,201	440,016
processed	215,254	285,305
Soaps and detergents	6,663	7,272

Chile Copper Company has called for redemption on January 1 next, $26,067,000 outstanding 20-year 5 percent gold debentures. Of the funds required, $25,000,000 will be furnished through a 5 percent serial bank loan and the remainder will come from the company's treasury.

Chemical Groups Study Permanent Relief Plan

(Continued from page 3)

to the profession of chemistry, to individual chemists and chemical engineers, and to industrial employers of such trained persons.

Mr. Toch explained that a detailed plan would we worked out at the meeting of the council of the American Institute of Chemists, December 17. The matter will be considered also at the next meeting of the trustees of the Chemists' Club, as the club has a committee on unemployment. Following these meetings a report will be made to the sponsors and honorary members of the Committee on Unemployment and Relief for Chemists and Chemical Engineers by a special committee consisting of A. A. Backus, chairman; S. D. Kirkpatrick, D. P. Morgan, W. T. Read and E. C. Uhlig.

I.C.I. Capital Reduction Upheld

Lord Blanesburgh, Lord Russell of Killowen, and Lord Maugham have dismissed without costs the appeal to the House of Lords of John Kennedy Carruth, acting on behalf of himself and the other holders of deferred shares in Imperial Chemical Industries, against an order of the Court of Appeal dated April 1, 1936, dismissing the appeal of deferred shareholders from an order of Justice Eve confirming the reduction of capital from £95,000,000 to £89,565,859. The reduction was resolved on by the company on May 1, 1935.

Pest Control in Various Phases

Among the articles of pertinent interest in the current issue of *Brimstone Brevities*, issued by the Freeport Sulphur Company, are "Controlled Soil Reaction, a Method of Disease and Pest Control," "Sulphur Controls Cotton Flea Hopper," "Carbon Bisulphide Controls the Fungus Ant," "Commercial Occurrences of Sulphur," "Superphosphate in a New Role," "Atomic Weight of Sulphur," "Fungicide Adjustment," and "Sulphur and Alorco Cryolite for the Mexican Bean Beetle."

Tartar materials exports from Algeria decreased from 71,170 metric quintals in 1934 to 66,901 quintals in 1935. In the latter year the exports were:—Wine lees, 29,985 quintals, crude tartrate of potash, 53,176 quintals, other tartrate of potash, 134 quintals, calcium tartrate, 7,875 quintals.

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Phosphoric Acid

50% and 75% Strengths

A sparkling, crystal clear liquid whose purity has established a new high standard never attained heretofore in the commercial product.

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Coaltar Chemicals

New Schedules Issued for Betanaphthol, Betanaphthylamine, Anilin Salt, R Salt and Phenol—Tobias Acid Lower—October By-Product Output Shows Gain

Business in coaltar chemicals was active during the week just ended. Sellers were busily engaged in writing 1937 business for basic products, the majority of 1937 schedules having reached the trade in the preceding period. Benzol demand continued equivalent to actual production, and a similar situation prevailed in solvent naphtha and xylol. Demand for toluol was good. Crude naphthalene was quiet. Schedules for 1937 were issued on technical betanaphthol, paranitroanilin, R salt, anilin salt, betanaphthalamine and Tobias acid. And a readjustment was issued for phenol.

For three consecutive months the production of coke has shown an advance over the preceding month. The total output of by-product and beehive coke for the month of October amounted to 4,307,849 tons, or 140,094 tons per working day, the highest rate recorded for the year. In comparison with September, the October rate increased 4.6 percent. The gain was in part attributable to continued activities in the iron and steel industry, where the October daily rate of production, amounting to 96,512 gross tons, was the highest attained since the early months of 1930. For the ten months of 1936 coke production has amounted to 37,420,040 net tons, a gain of 31.3 percent over the corresponding period of 1935. The output of by-product coke for the 31 days of October was 4,071,249 tons, or 131,331 tons per day. Compared with September, the rate advanced 2.8 percent, the gain being shared almost equally by furnace and merchant plants. One plant resumed making coke after an idleness of more than four years. Stocks of coke at by-product plants at the close of October were 7.3 percent less than at the beginning of the month. The bulk of the decrease occurred at furnace plants, where reserves were decreased by 11.1 percent. Coking coal charged in by-product ovens in October amounted to 5,843,998 tons, against 5,498,672 tons in September and 4,395,757 tons in October a year ago. Total for the first ten months was 51,923,650 tons, against 40,140,417 tons in the same period a year ago.

Output in light oil in October was estimated at 16,947,594 gallons, compared with 15,946,168 gallons in September and 12,712,701 gallons in October a year ago. Total for the first ten months was 150,578,585 gallons, compared with 117,407,209 gallons in the corresponding period of 1935. Total production of tar for ten months was estimated at 478,736,053 gallons, against 370,094,644 gallons in the similar period last year. Total for October was 53,881,661 gallons, against 50,697,955 gallons in September and 40,168,897 gallons in October a year ago. Ammonia sulphate, or its equivalent, was recovered to the extent of 65,082 tons in October, compared with 61,256 tons in September and 47,930 tons in October a year ago. Total for the first ten months was 575,213 tons, against 429,803 tons in the similar period a year ago.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Betanaphthylamine, 2c. per lb.
Paranitroanilin, 2c. per lb.
Tobias acid, 5c. per lb.

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.1	126.2	126.3	124.5

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol. — Business was excellent throughout the week just ended. Current production was moving against contracts. Prices were decidedly firm, a good volume of business having been booked for early 1937 delivery. Steel mill operations last week were estimated at 75.9 percent of capacity, according to the American Iron and Steel Institute. This compares with 74.3 percent in the preceding week, an increase of 1.6 points, or 2.2 percent. The rate was 74.7 percent a month ago. This week's rate is at the year's high, the same figure having been reached the week of October 12. Stocks of coke at by-product plants at the close of October were 7.3 percent less than at the beginning of the month. The bulk of the decrease occurred at furnace plants, where reserves were decreased by 11.1 percent. Benzol production in October was 9,674,000 gallons, compared with 9,089,000 gallons in September and 7,303,000 gallons in October a year ago. Total for the first ten months amounted to 86,665,000 gallons as compared with 63,299,000 gallons in the corresponding period a year ago.

Cresol. — Business continued quiet here, interest being centered on writing 1937 contracts, the schedule for which was released in the preceding week.

Creosote Oil.—Shipments were moving against contracts at a good pace throughout the week, usual buyers furnishing the inquiry. Prices were holding firm.

Cresylic Acid.—The synthetic resin industry continued to place the major portion of demand in this direction with the call coming from other usual consumers at a good pace. Prices were well maintained. Sellers were interested mainly in booking business for 1937 delivery, the schedule for such shipments having reached the trade in the previous period.

Naphthalene. — An extremely quiet week was reported in the market for the crude material, with reports to the effect that importers were not quoting as a result of the scarcity of material abroad. The market therefore assumed a nominal price position. Offsetting the scarcity abroad is the sizable volume being recovered domestically. The market for refined naphthalene was quiet but sellers were said to have made substantial progress in writing 1937 business.

Phenol.—The readjusted schedule on this product follows:—Car lot, drums, 13¼c. to 14¼c. per pound; less car lots, 14c. to 15c. per pound; tins, car lots, 14¼c. to 15¼c. per pound; less car lots, 15c. to 16c. per pound. The tank price is 12¾c. per pound.

Solvent Naphtha.—A firm tone continued in prominence in this market, sellers being engaged primarily in renewing contracts for next year. A representative buying movement was noted for high flash naphtha.

Toluol.—A good inquiry was reported for this material, the automobile industry being the prominent factor in causing the active demand. Production moved forward in the automobile industry under seasonal influences. Prices for toluol were firm. Considerable progress was reported in lining up business for 1937. The prices are unchanged.

Xylol. — A firm tone continued in evidence, shipments being equivalent to actual production. Prices for 1937 represent a duplication of the current schedule.

Chicago Coaltar Bases

CHICAGO, Dec. 3.—Volume of business being done in the coaltar bases market is reaching fairly good totals at this time. Benzols are attaining a fairly good rate of acceptance, and tone in the market for most products seems fairly healthy. Ruling prices of representative sellers exclusive of tax are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 11c. to 12c.; toluol, 30c.; 10-degree xylol, 33c.; solvent naphtha, 30c.; creosote oil, grade 1, 12½c. to 13c.

Coaltar Acids

Anthranilic.—Demand was quiet here during the week. Sellers were holding to previous values.

Broenner's.—A slow demand was reported for this product. No change was disclosed in quotations.

Cleve's.—Betterment in the call failed

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

BARRETT COAL-TAR CHEMICALS

Barrett

COKE OVEN LIGHT OIL DISTILLATES

SHORT BOILING RANGES

Short boiling range at desired temperatures promotes quick completion of evaporation or drying processes and reduces loss of solvent in recovery operations. Close and careful cutting provides extremely short boiling ranges of Barrett Coal-tar Solvents. This holds true for coal-tar solvents of both low and high initial points.

Barrett Coke Oven Light Oil Distillates include Benzols, Toluols, Xylols, Solvent Naphtha and Hi-Flash Naphtha with a wide range of initial and end points. Write for our convenient specification chart and for complete information on Barrett Coal-tar Solvents. Inquiries for special solvents are invited and will receive the careful attention of experts in the manufacture and use of coal-tar solvents.

BENZOL
TOLUOL
XYLOL
SOLVENT NAPHTHA
HI-FLASH NAPHTHA

THE TECHNICAL SERVICE BUREAU of The Barrett Company invites your consultation with its technically trained staff, without cost or obligation. Address The Technical Service Bureau, The Barrett Company, 40 Rector Street, New York.

THE BARRETT COMPANY
40 Rector Street, New York, N. Y.

to develop in this direction. No change was disclosed in the quotations.

Picric.—Usual consumers supplied a fair demand at intervals, prices were holding steady.

Salicylic.—A steady to firm tone continued in evidence for this product. An active inquiry was noted. Prices held unchanged.

Tobias.—A new schedule was issued for this product, pricing the material at 65c. per pound for any quantity, a decline of 5c. to 7c. per pound.

Other Intermediates

Anilin Salt.—The 1937 schedule for this product listed 21c. per pound for car lot quantities; 22c. per pound for less car lots and 24c. per pound for spot shipments.

Betanaphthol.—The 1937 schedule was issued last week, listing car lots at 23c. per pound and less car lots at 24c. per pound.

Betanaphthylamine.—A reduction was shown in the price for this article for 1937, the new schedule listing 51c. per pound, a decline of 2c. per pound.

Dinitrotoluene.—This market offered little change from recent weeks, shipments were moving out in conservative volume. Prices ruled unchanged.

Metatoluylendiamine.—This market presented little variation from recent weeks, consumers content to cover for immediate production requirements only. Prices ruled unchanged.

Orthocresol.—A favorable call was reported for this article at times during the period under review. Quotations held unaltered.

Paranitroanilin.—The 1937 price schedule for this material follows: Car lots, 45c. per pound; less car lots, 47c. per pound. The new schedule represents a decline of 2c. per pound.

Phthalic Anhydride.—A good demand was reported for this article, sellers were holding firmly to previous values.

R Salt.—The market for this product continued highly irregular, and the 1937 price was listed at 52c. per pound.

Schaeffer's Salt.—A spotty demand was reported for this material. No change was uncovered in quotations.

Toluidin.—Demand here was spotty again last week. Sellers were holding firmly to previous values.

Coaltar Colors

The market for coaltar products experienced a highly irregular demand during the week just closed. Prices displayed a steady to firm tone. Reports from the textile industry continued favorable. The cotton cloth industry was booked far into 1937, current sales holding up well. A weekly average consumption of raw wool in October in the apparel class was 5,180,000 pounds, scoured basis, against 5,369,000 pounds in September, the Census Bureau reported. In the carpet class weekly average consumption in October was 2,372,000 pounds, scoured basis, against 2,290,000 in September. Reports from the shoe industry were that orders booked at the Boston show were sufficient to assure running mills at a good level until Easter.

J&L LIGHT OIL DISTILLATES
PURE BENZOL
90% BENZOL
PURE TOLUOL · XYLOLS
SOLVENT NAPHTHA
JONES & LAUGHLIN STEEL CORPORATION
AMERICAN IRON AND STEEL WORKS
JONES & LAUGHLIN BUILDING, PITTSBURGH, PA.

Coaltar Dye Imports Into Cuba

Cuba imported a smaller quantity of coaltar dyes in 1934 (the latest year for which official statistics are available) than in 1933, the respective totals being 44,897 kilos and 49,575 kilos. The value of the 1934 imports ($71,370) was larger than that of the 1933 imports ($65,125). Germany and the United States are the main sources of supplies. In 1934 Germany supplied 28,858 kilos, valued at $50,093, showing an increase of 24 per cent in volume and 42 percent in value, in comparison with 1933. Imports from the United States in 1934 were 14,265 kilos, valued at $18,103, being 13 percent less in volume but 2 percent more in value than the imports in 1933. Imports from Belgium dropped 87 percent between 1933 and 1934, amounting to but 1,198 kilos, valued at $1,714, in the latter year.

Baltimore Drug Bowlers

The Bromo-Seltzer Company team made a clean sweep over the Loewy Drug Company quintet at the weekly contests of the Baltimore Drug Trade Bowling League November 20. With the other teams, it was a case of two to one, the Armstrong Cork Company and McCormick & Co. teams having the longer side against the Noxzema Chemical Company and the Penn-Maryland groups.

The standing of the teams follows:—

	Won.	Lost.	P.C.
Bromo-Seltzer Company....	28	8	.778
Armstrong Cork Company..	21	15	.583
McCormick & Co.....	19	17	.528
Noxzema Chemical Company	18	18	.500
Penn-Maryland Company...	16	20	.444
Loewy Drug Company.....	4	32	.111

DePasco Increasing Lead Output

The Cerro DePasco Copper Corporation is reported planning to construct a new lead refinery at Orroyo, Peru, which will increase the capacity for its lead output to 70,000,000 pounds a year. It is expected the plant will be ready for operation about the middle of next year, and that the operation of the new refinery will necessitate the resumption of operations at the Orroyo lead blast furnaces. The lead output by the company for the current year will probably reach 20,000,000 pounds compared with approximately 16,350,000 in the previous year.

Obituaries

G. S. Robins

George Stanley Robins, president of G. S. Robins & Co., distributor of industrial chemicals, St. Louis, died unexpectedly November 24 of a heart attack in his home in Webster Groves, Missouri. He was forty-four years old.

Born in Brooklyn, N. Y., Mr. Robins attended public schools in Plainfield, N. J. He was graduated from Rutgers University in 1913 with a B. S. Degree, was a Phi Beta Kappa, and obtained his M. S. degree in 1914. He began his commercial career in 1914 with the Churchill Drug Company; was with Barada & Co. from 1915 to 1916, and was vice-president of the Thompson-

G. S. Robins

Munro-Robins Chemical Company from 1917 to 1923 when he became president of G. S. Robins & Co. He remained head of the organization up to the time of his death, and devoted his energies to the development of distribution of industrial chemicals in the St. Louis area.

Mr. Robins was a contributor of several articles on costs of l.c.l. distribution. He was chairman of the St. Louis Section of the American Chemical Society in 1927. More recently his activities as secretary of the Citizens' Protective Committee, which opposed the establishment of a vague Jefferson Memorial in industrial property along the St. Louis waterfront, further amplified his generous friendships in St. Louis.

Surviving are his wife, the former Miss Bessie Alpaugh, of Plainfield, N. J., and two sons, George Kenneth, and Seth A. Robins.

W. S. Elkin, Jr.

William S. Elkin, jr., who was president of the National Association of Retail Druggists in 1908, died in his home in Decatur, Ga., November 27 after a long illness. He was sixty-seven years old.

Mr. Elkin was born in Lancaster, Ky. In 1890, with W. S. Watson, he opened a drug store in Atlanta, and this business grew to be one of the largest in the city. Mr. Elkin was president of the International Association of Rexall Clubs in 1913, and in 1917 he sold his business and became associated with the United Drug Company in Boston. He returned to Atlanta in 1919 as general manager for the S. S. S. Company. In 1921 he want into business for himself, organizing Baby Ease, Inc., Atlanta. A few years later he re-entered the retail drug business with a store in Decatur. In recent years he was a field representative of the National Association of Retail Druggists.

H. P. McCormick

Hugh Perry McCormick, a vice-president of McCormick & Co., manaufacturer of spices and other specialties, Baltimore, died December 1 in his home in Homeland, after an illness of two months. Mr. McCormick had spent virtually all of his business life with the company. He was a brother of Charles P. McCormick, president of the company, and a nephew of the late Willoughby M. McCormick, one of the founders. Surviving are his wife, and two sons, Hugh and Howard McCormick.

(Continued on page 58)

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AMERICAN-BRITISH CHEMICAL SUPPLIES, Inc.
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E. De HAEN'S PREPARATIONS for Standard Solutions At leading Laboratory Supply Houses
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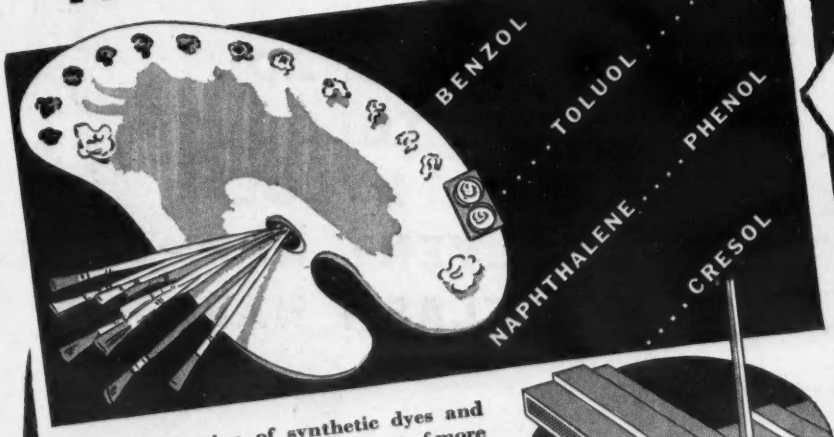
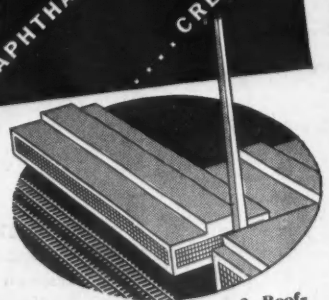
BUILDING UP YOUR MARKETS

KOPPERS and the Color Chart



The production of synthetic dyes and colors has led to the development of more beautiful color effects and more light-fast colors than were ever possible before and has added new meaning to the color chart. Koppers is an important supplier of the chemical raw materials from which modern dyes and colors are manufactured.

KOPPERS COMPANY
Tar and Chemical Division
PITTSBURGH, PENNSYLVANIA



1. Tarmac for Roads 2. Roofing Materials 3. Waterproofing Materials 4. Bituminous Paints 5. Creosote for Wood Preservation 6. Light Oils 7. Tar Acids 8. Coal Tar Pitches

This is one of a series of advertisements which are appearing each week in Business Week, reaching 90,000 important business executives in this country. In these advertisements Koppers is pointing out ways in which certain groups of chemical products (which you manufacture) are serving each of a wide variety of industries.

Benzol, (all grades)... Toluol, (Industrial and Nitration)... Xylol, (10° and Industrial)... Solvent Naphtha, (Including High Flash)... Phenol, (82% and 90% Purity)... Cresol, (U. S. P. Resin and Plasticizer Grades)... 3° Meta Para Cresol... Cresylic Acid, (Disinfectant Grades—98%, pale, low boiling) (Insecticide Grades—98%, pure, high boiling)... Naphthalene... Shingle Stain Oil... Refined Tars... Tar Acid Oils... Pitch Coke.

Dyestuffs and Textile And Leather Chemicals

Mangrove Bark and Myrobalans Quiet—Bichromates Continue Firm —Strong Tone in Egg Products Reflects Low Stocks Abroad —Small Demand for Corn Derivatives—Zinc Dust Steady

Business in the market for dyestuffs and tanstuffs continued highly irregular during the week just ended. Consumers in all directions were purchasing for immediate production requirements only. This practice of purchasing on a hand-to-mouth basis resulted mainly by the desire to close the year with inventories at a low level. However, the general price tone was steady to firm.

Prices for egg products continued to display a strong tone. Strength in the price structure for egg yolk and egg albumen resulted from cables from abroad to the effect that surplus stocks were nearing depletion. While the full reflection of such a condition was not apparent in the price structure last week, importers were inclined toward the belief that such would develop within the next few weeks. Tanning materials were quiet. Mangrove bark and myrobalans were steady. There was little to report in quebracho. Reports from the shoe show in Boston last week were to the effect that shoe manufacturers have booked orders sufficient to maintain a high level of operations through Easter. Bichromates were firm. Producers continued to order out supplies for nearby requirements. A good volume of business was written for 1937. Zinc dust was steady. Alumina chloride was unchanged.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
152.4	152.4	152.5	151.5

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Chloride.—This market experienced a good demand during the week just ended. Demand originated in the usual quarters of consumption. Prices ruled steady.

Antimony Salt.—Demand continued highly irregular during the period just closed. Regular consumers were not inclined to purchase beyond actual production needs. Prices were steady.

Potash Bichromate.—A firm tone continued in evidence for this material during the period under review. Manufacturing consumers were withdrawing a favorable volume. Producers were interested in lining up contracts for 1937.

Potash Prussiate.—The market for yellow prussiate noted an active demand during the week. Prices were unchanged. There was little to report in the market for red material and prices appeared steady.

Soda Bichromate.—Interest in this market continued to be concerned with writing contracts for 1937. A firm tone governed the dealings. Actual demand last week was fairly good.

Zinc Dust.—A steady tone was noted in this direction. Sellers reporting demand was fairly good. The steady price tone reflected the presence of a similar tone in the basic metal.

Dyestuffs

Annatto.—The market for paste and seed annatto continued quiet during the period under survey. Sellers reported buyers continued to follow a conservative policy. Prices ruled unchanged.

Archil.—Demand lacked improvement during the period under survey. Sellers were holding firmly to prices. The statistical position of the market was a factor responsible for a firm undercurrent.

Cochineal.—There was little to report in the market for Teneriffe silver and grey cochineal. Sellers reported quotations were steady. Demand continued to lag.

Fustic.—Interest here indicated that buyers were satisfied to remain aloof from the dealings until needs reached an imperative stage. Prices ruled unchanged.

Indigo.—The market for natural indigo continued to note a highly irregular demand. Prices ruled firm, for a limited amount of material was on hand. The call for synthetic indigo continued good. No change was disclosed in quotations.

Logwood.—A steady to firm tone continued in evidence. Usual sellers supplied the call. No change was uncovered in quotations.

Madder, Dutch.—A firm tone was prominent in this direction. Usual buyers supplied the little interest noted. Prices ruled unaltered.

Quercitron.—While important developments were lacking, demand being confined to comparatively small quantities, prices ruled steady to firm.

Sizing Materials

Albumen.—The market for edible egg albumen displayed a strong tone during the week just closed. Strength in the price tone could be attributed to reports from the primary market to the effect that stocks there were nearing depletion. The call for blood albumen was fair. Prices were unchanged.

Dextrin.—A firm tone continued in evidence for corn derivatives during the week just closed. Sellers reported quotations were unchanged. There was little to report in the market for the other sorts.

Egg Yolk.—The market for egg yolk continued to display a firm tone. Firmness in the price situation resulted directly from cables from the primary market concerning the extremely low level of stocks on hand there. While reflection of the low surplus stocks at the primary point was not reflected in the price structure here last week, importers were of the opinion that continued strength in the price tone was expected to be experienced over the rest of the month.

Frozen Eggs.—The market for frozen eggs was quiet. December whole mixed futures on Friday closed at 20c. to 21.25c.; January, 20c. to 21.25c.; February, 19c. to 20.75c.; March, 20.50c.; nominal. Spot closed as follows:—whole mixed 20c. to 21c.; yolks, 27¾c.; whites, 13c. to 14¼c.

Starch.—Business in corn derivatives continued at a good pace during the week. Prices were unchanged. The firm tone in evidence resulted directly from the presence of a similar tone in the basic material. The market otherwise was a strictly routine affair.

Tanning Materials

Divi-Divi.—This market noted a dull demand again last week. Sellers reported prices were nominal.

Gambier.—Business in common gambier continued much the same as in the preceding period, the price tone was firm and the firmness was the result of a small amount on hand. The call for plantation and Singapore cubes was highly irregular, but no change was uncovered in quotations.

Mangrove Bark.—A spotty call was shown for this article, consumers limiting purchases to actual needs. Prices ruled unchanged.

Myrobalans.—The market for J1 material continued quiet, sellers were quoting previous values. The market for J2 and R2 items continued spotty. No change was disclosed in quotations.

Quebracho.—This market continued to display a highly irregular demand, consumers were adhering to a conservative buying policy, but demand was sufficient to give the market a firm tone.

Valonia.—This market noted a highly irregular call, but a firm tone ruled the dealings. The firmness in beards and cups reflected the limited amount on hand.

Wattle Bark.—A spotty demand was shown for this item again last week. Sellers were holding to previous prices.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Bristol-Myers Denies Price-Fixing Charges

WASHINGTON, Dec. 1, 1936.

The Federal Trade Commission today took under advisement its case against Bristol-Myers Company, New York, in which it had charged price-fixing in restraint of trade. Final argument set for today was canceled when the company elected not to appear, and the case was submitted on briefs.

In its brief, the Bristol-Myers Company, which manufactures sal hepatica, ipana tooth paste, and other well-known drug items, declares that it was entirely within its rights in sending out in February, 1934, letters suggesting resale prices for its goods and in announcing in advance its purpose to select customers from those who saw fit to comply with its suggestions.

The company denied that, as charged by the commission, it had sought and secured promises from customers to maintain the suggested prices; that when a customer had been denied further supplies of Bristol-Myers products because he had sold below the listed prices, business was resumed with him only upon his promise that he would maintain the suggested prices; that it kept, for the information of jobbers, any list of price-cutting retailers; and that it employed agents to police its plan.

The brief ends with a discourse on "the necessity for resale price-maintenance," pointing out the disadvantages of the "loss leader" system to the manufacturer, wholesaler, retailer, and the general public.

Sulphur Dioxide Output Up 26 Percent in 1935

Production for sale of sulphur dioxide in the United States in 1935 amounted to 24,628,183 tons, valued at $1,170,401, an increase of 25.9 percent in quantity and 20 percent in value, over the production of 1933, according to a special preliminary release of the Bureau of the Census, based on data collected in the Biennial Census of Manufactures taken this year.

The production figures for the last three biennial censuses follow, those for 1935 being subject to revision:—

	1935.	1935.	1933.
Number of establishments.....	5*	5	4
Produced for sale:—			
Pounds	24,628,183	19,560,000	16,104,534
Value	$1,170,401	$968,000	$839,021

* New Jersey, two establishments; California, Virginia, and Wisconsin, one each.

General Dyestuff Corp. Occupies New Building

Every departmental activity of the General Dyestuff Corporation is now co-ordinated under one roof in a newly erected nine-story building at 435 Hudson street, this city. With the exception of one-half floor tenanted by the General Aniline Works, for which GDC is sole selling agent, the company occupies the entire building. Modern in every respect, it offers not only every facility for the efficient operation of the executive and general offices, but also ample space for the main laboratories, shipping and warehouse rooms.

General Dyestuff Corporation's activities are thus centralized and modernized to meet the increasing demands of industry for complete service and a comprehensive line of dyestuffs for wool, cotton, silk, rayon, paper, leather, paints, dry colors, resins and various other products requiring colors or allied materials.

The new structure is said to be the largest of its type erected in the city within five years. Many of its interior features are exceptional. For instance, many of the wall partitions are of the new structural glass brick.

FREDERICK P. KAPPER & CO. 367-373 FULTON ST. BROOKLYN, N.Y.
DRY COLORS INTERMEDIATES ◆ DYESTUFFS ◆ CHEMICALS FLUSHED COLORS
"EVERYTHING IN AN ANILINE COLOR FOR ANY TRADE"
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Aluminum Formate
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Industrial Uses of Chemicals and Related Materials

(Formerly styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

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Five-hundred-eighteenth Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Ammonium Chloride

(Continued from November 30 issue)

Metallurgical

Extractant (U.S. 1920211) for—
- Zinc introduced in the desilverizing of lead

Ingredient of—
- Electrolytes used in the galvanoplastic joining of aluminum to aluminum (French 523696)
- Flux, with zinc and hydrochloric acid, in lead-coating metallic surfaces (French 504228)
- Fluxes, consisting of admixtures with zinc chloride, sodium fluoride, or potassium fluoride, sodium chloride, and aluminum, used in hot galvanizing processes involving zinc or zinc-aluminum alloys (French 701259)
- Mixtures with caustic soda and sodium chloride, used as electrolytes in lead-stripping processes (French 661253)
- Mixture with iron and aluminum, used in extracting metals from aluminous bodies (French 561907)
- Mixtures with potassium fluoride and zinc chloride, used as protective and cleansing agents in galvanizing processes, especially where the zincing bath contains aluminum (French 620770)
- Molds used for casting magnesium and its alloys (U.S. 1919939)
- Protective agents in welding castings and the like (French 556158)

Process material in—
- Developing shiny surfaces on iron products previously subjected to hot galvanizing processes (French 614964)
- Extracting lead from its ores (French 596147)
- Tin from its ores (French 672324)
- Zinc from its ores (French 596147)
- Hardening iron (French 640681)
- Making bearing alloys (French 576736)
- Remelting and refining crude zinc (U.S. 1913929)
- Treating roasted concentrates (French 598624)

Reactant (Brit. 403469) in making—
- Finely divided metals by precipitation of their salts by means of metals in powdered form

Reagent (French 573048) in—
- Bronze refining

Starting point in producing—
- Cementings, by reacting with the jack-rust, which repair cracks in the water-jackets of blastfurnaces
- Verde antique finishes on metals with the aid of copper nitrate, calcium chloride, and water
- Verde colorings on metals, with the aid of copper nitrate, acetic acid, and water

Milling

Ingredient (French 671014) of—
- Mixtures, with per-salts and per-acids, for activating air used in grain and cereal treatment

Miscellaneous

Ingredient of—
- Aluminum-cleaning powder containing also pumice, silica, sodium sequicarbonate, trisodium phosphate, and powdered soap
- Aluminum-cleaning agent (U.S. 1870311)
- Antifogging agent, containing also glycerin and diluted sulphuric acid, for glass, windows, and the like (French 605615)
- Snow and ice melting compound, containing also sodium chloride and epsom salt, with or without silica sand and water

Paper

Ingredient (French 702351) of—
- Mixture with zinc chloride and calcium chloride used in making vulcanized fiber of predetermined weight

Parchmentizing agent (Brit. 399725) for—
- Paper
- Paper products

Petroleum

Accelerator (Brit. 405371) of—
- Nascent hydrogen formation, by decomposing water, for use in the hydrogenation of petroleum residues

Polymerizing agent (U.S. 1917648) for—
- Converting unsaturated constituents of gasoline, to resins or gums (the purified gasoline being then separated by fractional distillation)

Photographic

Fireproofing agent (French 645358) for—
- Regenerated viscose, glycerinated or not, used in making motion-picture film

Refrigeration

Ingredient of—
- Freezing mixture, with ammonium sulphocyanide and water, claimed to produce a fall of temperature from 15° to —19°
- Freezing mixture with magnesium chloride and potassium chloride (French 645054)

Rubber

Activator (U.S. 1912448) for—
- Mercaptobenzothiazole

Ingredient of—
- Latex compound claimed to have a quick breakdown and a high resistance to abrasion and flexing when vulcanized

Soap

Ingredient of—
- Cleansing compounds for floors and oil paintings, containing also hydrogenated naphthalene, cyclohexanol, sulphonated ricinoleates or oleates, turpentine, isoamyl acetate, and water
- Paint and general coatings cleaner containing also oxalic acid and white liquor (French 661708)

Stone

Starting point (U.S. 1337664) in making—
- Marble-like materials by pressure

Textile

Conserver (French 601297) of—
- Luster, transparency, and general appearance of cellulose acetate products subjected to the action of hot or boiling water

Ingredient (French 752725; Brit. 399509) of—
- Catalytic mixture used in making cellulose acetate

Promoter (French 753728) of—
- Enzymatic action in the desizing and purification of textiles

Water and Sanitation

Reactant (Brit. 402381 and 402382) in making—
- Weak concentrations of mixed mono- and dichloramines (in situ) for the sterilization of water

Woodworking

Impregnating agent (French 650737)

2-Brom-1-aminoanthraquinone

Chemical

Starting point in—
- Organic syntheses

Starting point (U.S. 1999996) in making—
- Seleno ethers by reacting with 1:1'-dibenzanthronyl diselenide

Butyl Nitrate

Chemical

Reagent in—
- Organic syntheses

Fuel

Primer (Brit. 404682) in—
- Diesel engine fuels (used in conjunction with other primers consisting of organic bromides or organic copper compounds whose function is that of reducing the spontaneous ignition temperature)

Reducer (Brit. 404682) of—
- Delay period in diesel engine fuels

6-Chlor-1-aminoanthraquinone

Chemical

Starting point in—
- Organic syntheses

Starting point (U.S. 1999996) in making—
- Seleno ethers by reacting with 1:1'-dibenzanthronyl diselenide

6-Chlor-9-gammadiethylaminobetabetadimethylpropylamino-2-methylthiol-6-methylacridin

Pharmaceutical

Claimed (Brit. 363392 and 437953) as—
- New pharmaceutical

6-Chlor-9-gammadiethylaminobetabetadimethylpropylamino-2-methylthiol-6-methylacridin Citrate

Pharmaceutical

Claimed (Brit. 363392 and 437953) as—
- New pharmaceutical

7-Chlor-4-methylisatin Alphachloride

Dye

Starting point (Brit. 443275) in making—
- Blue dyestuffs by condensation with 4-chloroalphanaphthol

2:2'-Diethyl-8-cyclohexylselenacarbocyanin Iodide

Dye

Dye possessing (Brit. 439359)—
- Abnormally high solubility in organic solvents

2:2'-Diethyl-8-furylselenacarbocyanin Iodide

Dye

Dye possessing (Brit. 439359)—
- Abnormally high solubility in organic solvents

2:2'-Diethyl-8-pentadecylselenacarboycanin Iodide

Dye

Dye possessing (Brit. 439359)—
- Abnormally high solubility in organic solvents

2:2'-Diethyl-8-propylselenacarbocyanin Iodide

Dye

Dye possessing (Brit. 439359)—
- Abnormally high solubility in organic solvents

6:9-Dichlor-2-methylthiolacridin

Pharmaceutical

Claimed (Brit. 363392 and 437953) as—
- New pharmaceutical

Methyl Chloride

(Chlormethyl, Chloromethane, Chlorure de Methyle, Cloruro de Metil, Cloruro di Metile, Methane Monochlore, Methylchlorid, Methylium Chloratum)

Animal Products

Ingredient (Brit. 152550) of—
- Solvent mixture, with ethyl chloride, for selective extraction of oils and greases, odorous materials, and other derivatives

Chemical

Chlorinating agent in—
- Organic syntheses

Ingredient (French 530052) of—
- Noninflammable solvent mixture with methyl bromide

Methylating agent in—
- Organic syntheses

Starting point in making—
- Acetyl chloride by reacting with carbon monoxide (Brit. 308666)
- Ethyl chloride (French 564641)
- Ethylene (French 564641)
- Ethylidene chloride (French 564641)
- Hydrocarbons boiling between 120° and 200° C by reacting with ethylene in presence of aluminum chloride (French 695125)
- Methylene chloride
- Various organic chemicals containing chlorine or methyl groups

Dry Cleaning

Ingredient (Germ. 584515) of—
- Noninflammable spotting and staining agents consisting of various mixtures with gasoline and various noninflammable solvents

Dye

Chlorinating agent in—
- Dye syntheses

Methylating agent in—
- Dye syntheses

Fats and Oils

Ingredient (Brit. 152550) of—
- Solvent mixture, with ethyl chloride, for selective extraction of oils, greases, and odorous materials

Miscellaneous

Ingredient (French 530052) of—
- Noninflammable solvent mixture with methyl bromide

Perfume

Extractant for—
- Essential oils
- Odorous principles
- Perfume materials

Ingredient (Brit. 152550) of—
- Solvent mixture, with ethyl chloride, for selective extraction of odorous materials

Solvent for—
- Essential oils
- Odorous principles
- Perfume materials

Petroleum

Solvent (Brit. 423303) for—
- Coloring matters and asphaltic compounds in processes of dewaxing hydrocarbon oils, such as residium stocks, overhead distillates, and crude petroleum or shale oils

Pharmaceutical

Claimed as—
- Local anesthetic

Refrigeration

Ingredient of—
- Refrigerant mixture with methyl bromide (French 530052)
- Refrigerant mixture with chloropicrin (U.S. 1879893)

Refrigerant in—
- Air-conditioning systems
- Baking industry units
- Candy industry units
- Dairy products units
- Dispensing units
- Flower storage units
- Frozen food industry units
- Fur storage units
- Household units
- Ice cream units
- Ice cream plant systems
- Motor truck cooling units
- Multiple unit systems
- Refrigerator car units
- Room coolers
- Water coolers

Resins

Ingredient (Brit. 152550) of—
- Solvent mixture, with ethyl chloride, for selective extraction of resins

Soap

Ingredient (Brit. 152550) of—
- Solvent mixture, with ethyl chloride, for selective extraction of oils, fats, greases

Paint, Varnish, Lacquer Materials

Ultramarine Price Unchanged for 1937—Other Color Prices Expected—Glues Advance—Paint Sales Up—Turpentine Easier—Rosin Active and Higher

Producers of ultramarine blues offered out contracts for 1937 last week at unchanged prices and terms from those of the current year. Contracts will be booked for the entire year, subject to quarterly adjustment. Manufacturers of other chemical dry colors have not yet issued prices for 1937, but were expected to do so momentarily. Forward prices for intermediates used in the manufacture of colors were made known last week and many of them were lowered in price. Asbestos fiber producers were also seeking 1937 contracts last week with unchanged prices for the grades used in paper, cement and surfacing products.

Spot market developments during the week included an upward revision of softwood charcoal prices in the East, South and middle-Western states. Prices for bone and hide glues were advanced during the week and the market for both of these glues was undeniably working into a much stronger position. Some holders of hide glue supplies were not anxious sellers because of the prospect of a continued ascent of the market.

Paint, varnish and lacquer chemicals were moderately active for this time of the year. December is usually one of the slowest months of the year, but trade has been held in a state of flux since the month began.

Rosin continued to meet with a good demand in Southern and local markets last week and the trend of prices was still upward. Offerings of all grades were light or moderate throughout the period. Further rather liberal sales were reported for export. Turpentine was in light request and prices were easier. Marketing continued free but a falling off in the movement is expected later in the month.

Paint, varnish, lacquer and fillers sold in October by 680 establishments totaled $35,354,930 in value, against $34,799,558 in the preceding month, according to the monthly report of the Bureau of Census. Classified sales reported by 582 of these establishments showed trade-sales of $17,735,136, while industrial sales totaled a value of $14,479,453, of which $10,221,164 was constituted by paint and varnish, and $4,258,289 by lacquer. Total sales by 680 establishments for the first 10 months of the year were $338,049,786. Total sales for 10 months reported by 579 establishments were $324,588,926, against $288,812,073 in the corresponding months of 1935. Plastic paints sold in October totaled 530,935 pounds against 566,222 pounds in September; cold water paints sold in October totaled 2,131,765 pounds against 2,185,883 pounds in September; and calcimines sold in October totaled 6,914,947 pounds against 7,179,331 pounds in the preceding month, according to the reports from 53 manufacturers.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Charcoal, softwood, powd., $2 to $4 per ton.
Glues, bone, ½c. per lb.
hide, 2c. per lb.
Oil, pine, d.d., 6c. per gal.
rosin, 3c. per gal.
Rosin, 52½c. to 75c. per 280 lbs.
Turpentine, s. d., 1c. per gal.

Reduced

None.
Turpentine, gum, ¾c. per gal.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
131.1	131.1	131.1	131.9

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

Although purchasing interest in pig lead was not so heavy as in recent weeks, there was a fair demand and when the producers opened books for January position last week, there was a fairly good coverage for that position. Lead prices were unchanged but were considered strong. Quotations were 5.05c. per pound at East St. Louis and 5.20c. to 5.25c. per pound at New York, according to seller. Futures traded on the New York Commodity Exchange reached record heights last week when 3,720,000 pounds or 62 lots changed hands. World lead consumption outside the United States in the last three months averaged 104,005 tons against an average of 98,665 tons per month during 1935, according to the American Bureau of Metal Statistics.

Slab zinc continued in a steady position and prices were unchanged during the week. Quotations were based at 5.05c. per pound at East St. Louis. London quotations were rather unsteady. World zinc consumption outside United States averaged 92,275 tons per month during the last three months, compared with a 1935 average of 84,941 tons, according to the American Bureau of Metal Statistics.

Lead.—Prevailing spot prices at New York, East St. Louis, and London for the period from November 28 to December 4, inclusive, were as follows:—

	Pigs				
	Per pound		Spot. London. Per ton		
	New York.	E. St. Louis.	£	s.	d.
Saturday	$0.0520@.0525	$0.0505	..	..	..
Monday	.0520@.0525	.0505	23	1	3
Tuesday	.0520@.0525	.0505	22	10	0
Wednesday	.0520@.0525	.0505	22	18	9
Thursday	.0520@.0525	.0505	22	15	0
Friday	.0520@.0525	.0505	22	12	6

Zinc.—Prevailing spot prices at New York, East St. Louis, and London for the period from November 28 to December 4, inclusive, were as follows:—

	Slabs				
	Per pound		Spot. London. Per ton		
	New York.	E. St. Louis.	£	s.	d.
Saturday	$0.05425	$0.0505	..	..	..
Monday	.05425	.0505	16	8	9
Tuesday	.05425	.0505	16	3	9
Wednesday	.05425	.0505	16	8	9
Thursday	.05425	.0505	16	5	0
Friday	.05425	.0505	16	2	6

Pigments

Pig lead has held a steady position for the past several days and although the market remained unchanged, it was the focal point for interest last week. Another price advance in pig lead would raise the card prices for lead oxides. White lead carbonate held steady at the recently advanced level but basic lead sulphide has not followed the increase in the carbonate pigment. Lithopone, titanium products and zinc pigments were in a steady position. Demands were fairly active for this time of the year but December is usually a slow month in the pigment market.

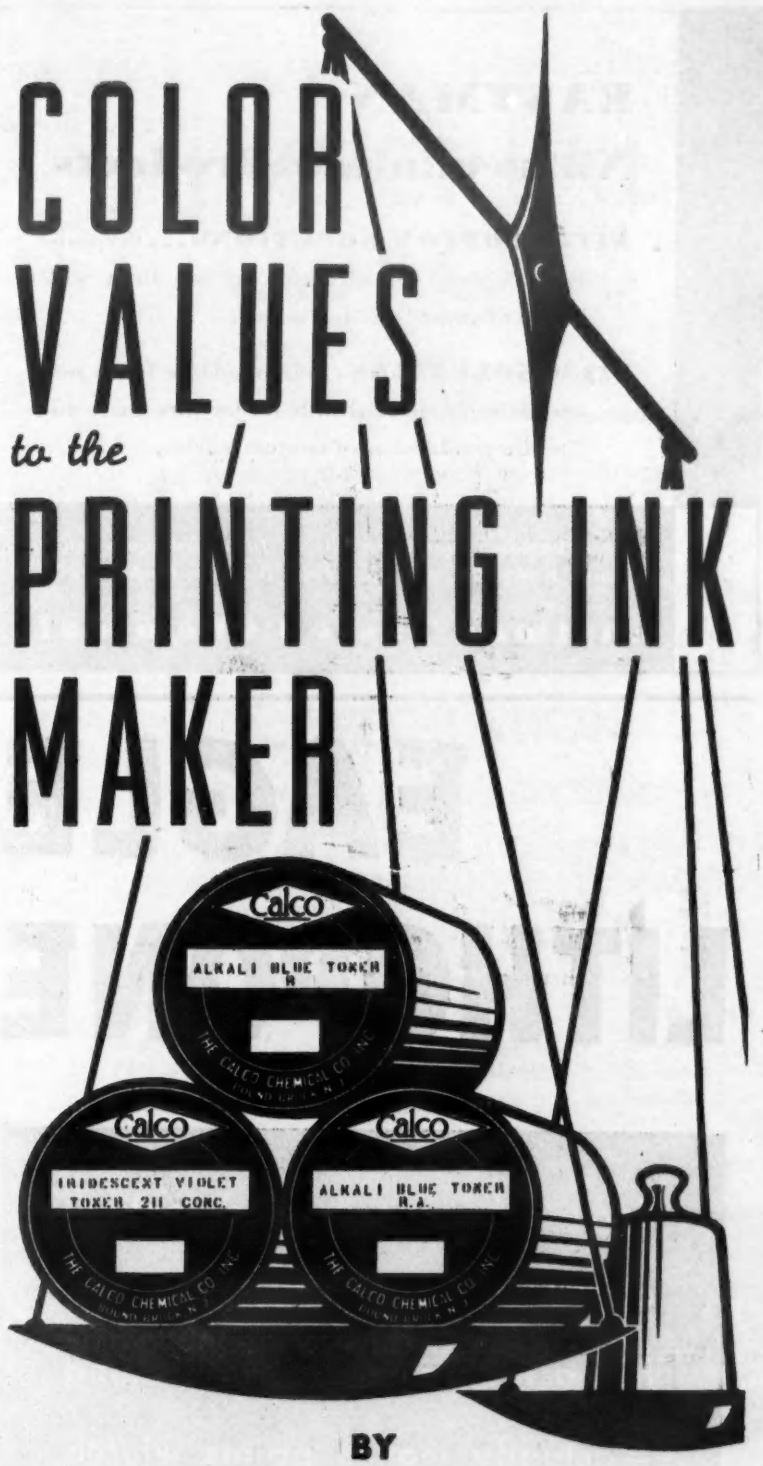
White Lead.—Lead sulphate continued at its long standing position and the market has not followed the recent boost in basic lead carbonate. The latter held a steady place at its new level. The demands of the market have moderated following the heavy buying in the interim between the announcement of the price increase and the date of its effect.

Red Lead.—There was a close interest in the market because of the position of the metal. If pig lead prices should advance, the card prices for this commodity would be increased ¼c. per pound. Reports from sellers indicated that business was fairly active for this time of the year.

Litharge.—Conditions were similar to those in the market for other lead oxides. The price of the basic metal has not changed for the past two weeks but if the market should advance again, prices for less than carload lots would be increased ¼c. per pound. Car lot quotations continued at 6.70c. to 6.95c. per pound.

Lithopone.—Although there was a moderately good activity in the market for this time of year, December is

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7



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***Outstanding* in a group of clean VIOLET INKS of the fugitive type. Shades are varied to suit specific needs. ● These materials are *odorless*, and carry excellent strength.**

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Nitrocellulose Products

NITROCOTTON SOLUTIONS... Prepared from high grade nitrated cottons in a wide range of viscosities and solids.

FILM SOLUTIONS... Dependable basic materials especially suitable for lacquer bases and for the production of coated fabrics.

Information and quotations will be furnished upon request. Eastman Kodak Co., Chemical Sales Division, Rochester, N. Y.

Eastman Tested Chemicals

EAGLE LITHOPONE

Eagle Lithopone is an exceptionally bright, opaque pigment. It has a high colorimetric reading—actually makes paints *whiter*. Light resistant. Specially adapted for enamels and flat paints.

THE EAGLE-PICHER LEAD COMPANY CINCINNATI, OHIO

White Lead, Carbonate — Red Lead — Sublimed Blue Lead — Sublimed White Lead—Super Sublimed White Lead—Litharge—Sublimed Litharge—Orange Mineral—Zinc Oxide—Lithopone

usually a very slow month and the sales movement for the month to date has been light. Quotations continued unchanged at the reduced price levels established a few weeks ago.

Titanium Pigments.—The market continued in a steady position. Prices held at the schedule that was established November 1 and the demands of the market were mildly active for this time of the season.

Zinc Oxide.—The sellers were unable to point to much in the way of new developments last week. Quotations held unchanged. Deliveries were mildly active and sellers were still understood to be shipping out against orders accepted and billed prior to the price increase of some weeks ago.

Fillers and Extenders

The principal price feature of commodities included in this group of materials was an increase in prices for softwood powdered charcoal. As reported previously, producers of high-grade precipitated blanc fixe were taking contracts for 1937 at unchanged quotations. Asbestos fiber contracts for 1937 were also being taken at unchanged quotations.

Asbestos Fiber.—Although there were some changes in 1937 contract prices, the grades used in the manufacture of paper, cement and surfacing materials were unchanged in price for contract renewals for 1937.

Charcoal.—Delivered prices for softwood powdered material in car lots were advanced $2 per ton, except in the states of Illinois and Wisconsin, where prices advanced $4 per ton. The new schedule was as follows:—Delivered in Alabama, Delaware, Georgia, Kentucky, Maryland, Mississippi, New Jersey, New York, North and South Carolina, Tennessee, Virginia and West Virginia, $30.40 per ton; delivered in Connecticut, Maine, New Hampshire, Massachusetts, Rhode Island and Vermont, $30.80 per ton; delivered in Illinois and Wisconsin, $27 per ton; delivered in Indiana, $28 per ton; and delivered in Michigan, Ohio and Pennsylvania, $29.80 per ton.

Graphite.—There have been no changes in the prices for paint grades since the revision that took place a month ago.

Dry Colors

Except for the renewal of ultramarine contracts at unchanged prices, contract prices for 1937 have not made their appearance but were still expected at any time. Forward prices for intermediates used in the manufacture of chemical colors were issued last week and many of them were lower in price. There was concern as to the opening position of c.p. chrome yellows and it was not unlikely, according to observers, that prices would evidence further recovery of the price loss that took place in the latter part of last year.

Alkali Blue.—Nothing has been heard yet regarding contract prices for 1937 but seller indications were that the 1937 figures would be made known shortly.

Carbon Black.—Sellers were centering their efforts upon contract business for next year which was being written at unchanged prices, except in the case of l.c.l. shipments of standard black in bags, which will be priced f.o.b. warehouse instead of on a delivered basis. If sellers are asked to deliver in bags and such shipments are accepted by truck carriers, there will be an additional charge of ½c. per pound. If such shipments are not acceptable by trucking companies, delivery will be made in cases on which case prices will apply.

Chrome Yellow.—Contract prices for 1937 have not appeared yet and the trade's interest was centered in whether

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MACHINES TO CUT ⅛ in., ¼ in., 1¼ in., 1½ in. LETTERS

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Prompt shipment always from conveniently located stocks of the grade best suited for your needs.

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Powdered—packed in bags or barrels, and in any quantity.
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Ultramarine Blues
Alkali Blue Toners
Methyl Violet Toners
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STANDARD ULTRAMARINE COMPANY
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DRY COLORS
Color Content Guaranteed

Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Lake Colors
Ultramarine Blue

KENTUCKY COLOR & CHEMICAL CO.
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General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities
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mineral pigments

NATURAL AND SYNTHETIC

PURE CHROMIUM OXIDES are STRONG - INERT - PERMANENT

C. K. WILLIAMS & COMPANY
EASTON-PENNSYLVANIA

or not the market would continue to recover some of last season's price loss. Lead costs were much higher than a year ago.

Iron Blues.—The trade was also waiting for 1937 contract prices on this group of colors. According to latest rumors, the prices will be made known before the end of this week at the latest.

Toner Reds.—Some intermediates used in the manufacture of these colors were offered for 1937 at a cheaper basis than this year's prices. Contract prices for the colors have not been made known as yet, but were expected at any moment.

Ultramarine.—Producers commenced taking contracts for 1937 at unchanged prices from those in force this year. Contracts were being booked for the entire year, subject to quarterly adjustment, and terms as well as prices were unchanged.

Zinc Yellow.—There has been no word on contract prices for next year but they are expected along with those for other colors at any moment.

Varnish Gums

There were no price movements in the market for natural gums last week. The markets abroad were firm and there was a firm situation prevalent here. While the marine shipping strike has not handicapped the delivery of gum here, it may have an important bearing on the market's future. Vessels scheduled to leave from Singapore and other primary market points in January with gums and other merchandise for delivery here, are still tied up at local docks here and the longer they are delayed, the later their inbound deliveries will be. Some importers foresaw a shortage if the shipping strike continued and have been recommending that buyers lay in added supplies.

Copals.—The market was without price change last week. The demands for Congo gums, East Indias, Pontianaks and others was mild with little new booking reported. Deliveries against contracts were mild.

Dammars.—The market held a steady position last week. Quotations were unchanged here and primary market quotations on replacement were unchanged. The market was moderately active.

Synthetic Resins

As indicated a week ago, prices for resins in the coumarone indene group have been revised. The changes were moderate and contract buyers could purchase at ¼c. per pound off the list prices. Other changes recently reported included higher quotations on special esters, following the general rise in the ester gum market a few weeks ago.

Naval Stores

Interest in the naval stores situation continued to center in rosin. That product again displayed strength, further advances occurring in all grades. The tendency of turpentine was reactionary, the price at Savannah dropping 1½c. per gallon at one time in the absence of any improvement in demand. The failure of business in turpentine to show improvement is attributed by some in the trade to the widespread use of substitutes in the preparation of paint. On the other hand all grades of rosin continued to meet with a good demand. The extent of the transactions for the week were not revealed in the official reports from the Savannah and Jacksonville markets as much of the business recently, it is stated, has been on private terms.

The foreign inquiry for rosin held up well and rather liberal sales were reported for shipment to South America, the Far East and Europe. Developments in the political situation abroad were closely watched though opinions differed as to the probable effect upon business in naval stores in this country of a European war. Receipts in Southern markets were liberal and seemed likely to continue so until the end of the year when, in the opinion of some, a sharp decrease in the movement is likely to be witnessed as the gathering of the scrape crop is usually about completed at around that period.

Business on the Savannah and Jacksonville markets will be suspended on Saturdays during December, January and February. According to consular advices from Bordeaux, weather conditions in the naval stores production area of France during October were very favorable and as there was little rainfall the collection of the last dip of gum for the season was made under excellent conditions. Present estimates are that this year's yield will be 3 to 5 percent more than that of last year. While the quality of both the turpentine and rosin from this year's crop is reported to be good, the quality of the extra pale and pale grades of rosin will be considerably below that manufactured last year owing to the lack of continuous sunshine during the spring and early summer. At the end of October, the stocks of turpentine and rosin on hand were not considered excessive for this time of year. It is believed that some supplies of rosin and turpentine are held by distillers in anticipation of higher prices.

Turpentine.—A fair inquiry was noted in some quarters last week but as in recent preceding periods, consumers were disinclined in many instances to purchase in advance of current needs and the movement was made up in the main of comparatively small or moderate quantities. Sales in Southern markets as officially reported were generally light though reports were current of fair transactions in tankcars. The foreign inquiry continued slow and therefore disappointing. Prices here were irregular in company with developments in primary centers. The movement from the interior to the seaboard continued liberal.

SAVANNAH, Dec. 4.—Turpentine prices were irregular but the undertone of the market appeared to be firm. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Receipts.	Shipments.	Stocks.
Saturday ..	39½	...	435	216	36,716
Monday ...	40¾	281	394	558	36,552
Tuesday ...	39	56	397	1,294	35,655
Wednesday..	39¼	117	245	...	35,900
Thursday ..	39¼	98	186	638	35,448
Friday	39¾	81	126	1,520	34,054

JACKSONVILLE, Dec. 3.—Turpentine was quieter. Changes in prices were moderate. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Receipts.	Shipments.	Stocks.
Friday	40	47	283	852	43,068
Saturday ..	39	...	309	1,010	42,976
Monday ...	38½	94	304	25	43,246
Tuesday ...	38¾	...	171	4	43,413
Wednesday..	39¼	40	146	202	43,357
Thursday ..	40	22	89	3	43,443

PENSACOLA, Nov. 28.—The turpentine market was quiet and steady. Following is a record of the market for the week:—

	Barrels Receipts.	Shipments.	Stocks.
Monday	197	163	30,104
Tuesday	124	446	29,782
Wednesday	94	19	29,857
*Thursday	...	...	.....
Friday	84	162	29,779
Saturday	189	...	29,968

* Holiday.

CHICAGO, Dec. 4.—Current turpentine prices are the best in some time. Wholesale and retail trade is along limited lines, with buyers a little reluctant to buy heavily at these figures. Ruling prices at the close of business last night were:—Five-drum lots, 49c. per gallon; five wood barrels, 55c.; single drums, 52c.; single barrels, 57.

LONDON, Dec. 4.—Quotations on turpentine were as follows:—

	Per cwt. In bbls. s.	d.
Saturday	41	9
Monday	41	9
Tuesday	41	9
Wednesday	41	3
Thursday	41	9
Friday	41	9

Stocks of American turpentine in London were:—

	Dec. 4.	Previous week.	Last year.
Barrels	24,241	19,442	12,530

Rosin.—Further advances occurred in quotations here last week in company with the course of prices in the South, where the tone of the market remained firm. Southern advices continued to report liberal sales. These transactions were not reflected in the official records from Savannah and Jacksonville as much of the business closed during the week was on private terms. In addition to domestic takings, there was a good inquiry for foreign account and rather liberal clearings were also reported on contracts previously placed. Offerings of all grades in primary markets were reported as light or moderate throughout the week. Receipts continued free.

PENSACOLA, Nov. 28.—The rosin market had a steady tone. Receipts were moderate. Following is a record of the market for the week:—

	Barrels Mon.	Tues.	Wed.	*Thurs.	Fri.	Sat.
Receipts..	699	462	327	...	332	790
Shipments	...	120	2,470	...	1	1,125
Stocks	..31,821	32,163	30,020	...	30,351	30,016

* Holiday.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

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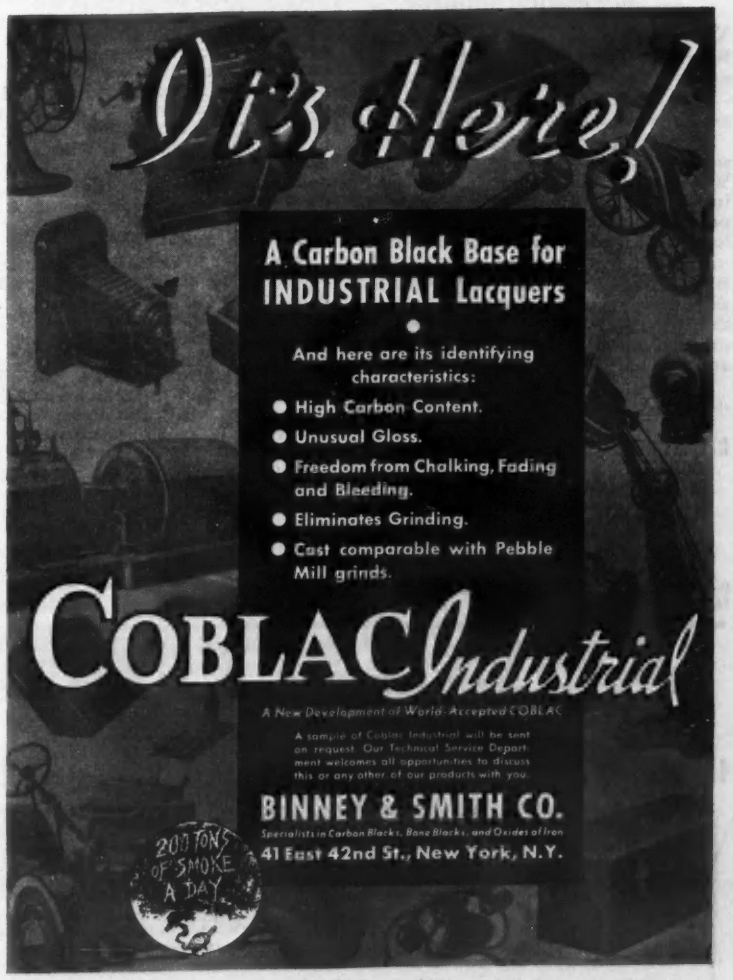
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CHICAGO, Dec. 4.—Prices in the rosin market have been rising additionally and at the current report are at the highest levels in a long period. Buying, however, is not very active. Ruling prices at the close of business last night were:—B grade, $10.35 per lot of 280 pounds; G grade, $10.35; M grade, $10.40; W. W. grade, $11.10.

SAVANNAH, Dec. 4.—The rosin situation continued to be featured by a good demand and a firm tone. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$7.75	$7.85	$7.85	$7.90	$8.05	$8.25
D	7.75	7.85	7.85	7.90	8.05	8.25
E	7.75	7.85	7.85	7.90	8.05	8.25
F	7.75	7.85	7.85	7.90	8.05	8.25
G	7.75	7.85	7.85	7.90	8.05	8.25
H	7.75	7.85	7.85	7.90	8.05	8.25
I	7.75	7.85	7.85	7.90	8.05	8.25
K	7.75	7.85	7.85	7.90	8.05	8.25
M	7.75	7.87½	7.90	7.90	8.05	8.25
N	7.75	7.90	7.90	7.90	8.05	8.25
WG	7.75	7.90	7.90	7.95	8.05	8.25
WW	8.50	8.60	8.60	8.80	8.80	8.80
X	8.50	8.60	8.60	8.80	8.80	8.80

	Barrels					
Sales	392	770	551	835	524	415
Receipts	2,118	1,397	2,196	1,338	1,598	905
Shipments	...	4,043	2,962	...	1,667	2,714
Stocks	91,967	89,821	89,052	90,391	90,322	88,511

JACKSONVILLE, Dec. 3.—A firm tone continued to prevail in the market for rosin. Offerings of all grades were moderate. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— Fri.	Sat.	Mon.	Tues.	Wed.	Thur.
B	$7.35	$7.35	$7.35	$7.35	$7.35	$7.85
D	7.40	7.40	7.40	7.75	7.85	7.85
E	7.50	7.50	7.50	7.75	7.85	8.02½
F	7.70	7.80	7.80	7.75	7.87½	8.02½
G	7.70	7.80	7.80	7.75	7.87½	8.02½
H	7.70	7.80	7.80	7.75	7.87½	8.02½
I	7.70	7.80	7.80	7.75	7.90	8.02½
K	7.70	7.80	7.80	7.75	7.90	8.02½
M	7.70	7.80	7.80	7.75	7.90	8.02½
N	7.70	7.80	7.80	7.75	7.90	8.02½
WG	7.70	7.80	7.80	7.75	7.90	8.25
WW	8.00	8.00	8.00	8.20	8.20	8.60
X	8.00	8.00	8.00	8.20	8.20	8.60

	Barrels					
Sales	...	...	...	148	...	104
Receipts	1,970	1,257	1,291	1,671	882	1,602
Shipments	939	526	...	100	1,450	289
Stocks	70,436	71,166	72,457	74,028	73,460	74,773

LONDON, Dec. 4.—Quotations on American rosin were as follows:—

	Per cwt. in barrels— Common. s.	d.	W.W. s.	d.
Saturday	19	0	20	9
Monday	19	0	20	9
Tuesday	19	6	21	0
Wednesday	19	0	21	0
Thursday	19	0	21	0
Friday	19	0	21	0

Pine Oil.—The market retained a firm tone as other pine products continued to display strength here and in primary centers. Business lacked snap but there were reports of some improvement in demand.

Pitch.—With southern markets for naval stores still displaying an upward trend at times, the tone here was firmer, though quotations remained about where they stood in the previous week. Demand was fairly active.

Rosin Oil.—The strength of basic material in primary centers continued to be reflected here, prices again moving upward. An increase was noted in the volume of inquiries received from local and other consumers.

Tar.—A firm tone continued to prevail. There was a steady movement into local and outside consuming channels.

Lacquer Materials

The week was featured by the issuance of 1937 prices for many lacquer materials. The prices for butyl alcohol and butyl acetate how a slight revision upward, but such a revision was to be expected because of the broad demand in evidence of these materials over the past few months. Ethyl acetate current price schedule has been extended to cover first quarter requirements. The automobile industry was working at a high level, reflecting seasonal influences. Acetone continued firm. Diamyl phthalate and dibutyl phthalate prices have been repeated for first quarter 1937.

Acetone.—Demand continued good during the week. Prices were unchanged.

Butyl Acetate.—A strong tone prevailed here. Prices have been issued for first quarter shipments, showing a slight advance, on the basis of 9c. per pound, tanks.

Butyl Alcohol.—This market continued to note a good demand. Sellers were quoting prices ½c. per pound higher for 1937 first quarter business on the basis of 9c. per pound for tanks.

Dibutyl Phthalate.—Prices held firm. Sellers were quoting first quarter business on the basis of tanks at 18½c. per pound, with the usual differential on the car lot and less than car lot quantities.

Diamyl Phthalate.—Prices have been listed on the basis of 18½c. per pound for tanks for first quarter business. Usual differentials for car lots and less than car lots applying.

Paint, Varnish, Lacquer, Fillers Sales: October

The value of paint, varnish, lacquer and fillers sold in October totaled $35,354,930, according to reports filed with the Bureau of Census by 680 establishments. Details of sales reported by these establishments and also sales reported by 579 establishments for the January-October period of the past two years, follow:—

Reported by 680 Establishments

		Classified sales*				
			Industrial sales			
	Total sales.	Trade sales.	Total.	Paint and varnish.	Lacquer.	Unclassified sales.†
October, 1936	$35,354,930	$17,735,136	$14,479,453	$10,221,164	$4,258,289	$3,140,341
Jan.-Oct., 1936	338,049,786	175,251,935	131,602,666	93,208,926	38,393,740	31,195,185

Reported by 579 Establishments

October, 1936	34,048,582	12,563,930	‡10,627,878	7,465,159	3,162,719	¶10,856,774
October, 1935	32,853,356	12,613,354	‡9,518,786	6,730,639	2,788,147	¶10,721,216
Jan.-Oct., 1936	324,588,926	125,749,855	‡96,768,699	67,894,800	28,873,899	¶102,070,372
Jan.-Oct., 1935	288,812,073	114,775,305	‡82,489,161	58,864,042	23,625,119	¶91,547,607

* 580 establishments. † 100 establishments. ‡ 344 establishments. ¶ 235 establishments.

Diethyl Phthalate.—Inquiry here was fair. Prices were firm. Business was being booked for the first quarter of 1937 on the basis of 17c. per pound for tanks, carrying the usual differential for car lots and less car lots.

Ethyl Acetate.—Prices for the first quarter 1937 are on the basis of 6½c. per pound for tankcars, representing no change from current quotations.

Shellac

Considering the fact that the end of the year was in sight and that inventory activities have started already, business in the market for shellac was very fair in volume during the past week. Movement held up remarkably well and the result was a fairly steady price position and a minimum amount of competition. Foreign markets were said to have been somewhat steadier. Business going from this market to London and Calcutta made no large tonnage but there was some buying of seedlac and there were indications that activity after the turn of the year would probably show improvement. Stocks abroad seemed to be ample for all requirements but the amount of really good quality lac available was not overly large. Lack of shipments of goods complying fully with quality standards of this country has caused a substantial amount of trouble for a long time past.

London, Dec. 4.—London quotations basis of sterling exchange at $4.88, for shellac for later delivery have been as follows (the quotations in United States currency represent prices here and include other handling charges):—

	December 4— Shillings. Cwt.	Cents. lb.	November 27— Shillings. Cwt.	Cents. lb.
December	50	10.8	50½	10.9
March	52	11.3	52½	11.4

Quotations in cents per pound were subject to correction in accordance with the rate of exchange prevailing on London.

Day-to-day closing prices were as follows:—

	Per hundredweight— December.	March.
November 27	50s 6d	52s 6d
*November 28	... ..	... ..
November 30	52s 6d	52s ..
December 1	49s 6d	51s 6d
December 2	49s 6d	51s 6d
December 3	50s ..	52s ..
December 4	50s ..	52s ..

* No cables.

Calcutta, Dec. 4.—Prices quoted on U.S.S.A. T.N. c.&f. New York, basis of sterling exchange at $4.88, were as follows:—

	Per pound— Dec. 4.	Nov. 27.
December	11½c	11¾c

Quotations in cents per pound were subject to correction in accordance with the rate of exchange prevailing on London.

Day-to-day prices and reports on market conditions were as follows:—

	Per pound.	Market
November 27	11¾c	Steady
*November 28	.....	.....
November 30	11¾c	Quiet
December 1	11½c	Quiet
December 2	11½c	Quiet
December 3	11½c	Quiet
December 4	11½c	Quiet

* No cables.

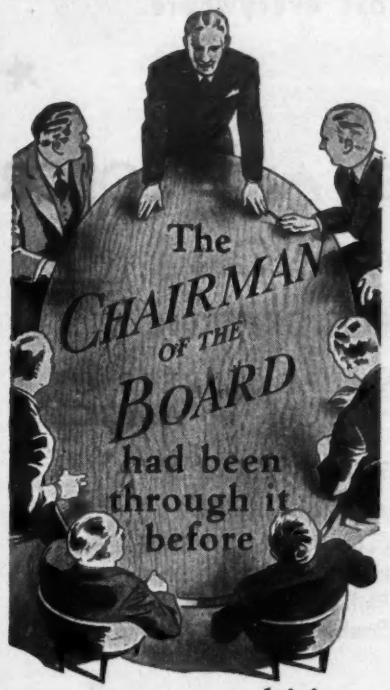
Driers

The market did not contain any new or important features last week. Up to the time of this writing, contract prices for the first quarter of next year had not been issued. According to the belief around the market, prices will continue at present levels. The remainder of the list of drier materials was unchanged.

Glues and Binders

Casein.—Although some quarters reported a higher market, the domestic article was available in car lots at 17c. per pound for 20-30 mesh and 17½c. per pound for similar quantities of the 80-100 mesh. There was not a great deal of activity in the market last week. Not much foreign material has been coming in during the past few weeks but arrivals here may increase later in the month. Quotations for imported were unchanged.

Glues.—All prices advanced last week. Bone glue quotations were advanced ½c. per pound Thursday. Car lot quotations for bagged material follow:—24 millipoise, 36 jelly gram, 11½c. per pound; 28 m.p., 58 j.g., 12c.; 38 m.p., 82 j.g., 13c.; and 48 m.p., 108 j.g., 13½c. per pound. Hide glues were 2c. per pound higher, after having been raised by 1c. per pound by some sellers a few weeks ago. Hide glue prices for car lots, in bags, follow:—53 millipoise, 135 jelly grams, 15½c. per pound; 60 m.p., 164 j.g., 17c.; 67 m.p., 192 j.g., 18c.; 75 m.p., 222 j.g., 19c.; 83 m.p., 251 j.g., 20c.; 92 m.p,. 283 j.g., 21c.; 102 m.p., 315 j.g., 21½c.; 113 m.p., 347 j.g., 22½c.; and 125 m.p., 379 j.g., 23½c. per pound. Barrel prices were ½c. per pound additional and quotations were subject to usual grinding charges.



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Patman Interpretations By Fertilizer Group

(Continued from page 3)

only an expression of their present opinion on the subjects of inquiry. Important questions arising under the act have elicited different answers from different attorneys, and there are some questions as to which more than one answer may reasonably be supported by argument. The meaning and scope of the act in some important respects will have to be clarified by the courts. Each producer should be particularly careful, in the meantime, in applying the act to his own business, and as to his individual problems should consult his own counsel.

Unlawful Discriminations

What price-discriminations are unlawful under section 2 of the Clayton act as amended by the Robinson-Patman act?

Any price discrimination, whether direct or indirect, between different purchasers of commodities of like grade and quality (1) where either or any of the purchases involved is in commerce; (2) where such commodities are sold for use, consumption, or resale within the United States or any place under the jurisdiction of the United States; and (3) where the effect of such discrimination may be (a) substantially to lessen competition or tend to create a monopoly in any line or commerce, or (b) to injure, destroy, or prevent competition (1) with the person who grants the discrimination, or (2) with any person who knowingly receives the benefit of the discrimination, or (3) with customers of the person who grants the discrimination, or (4) with customers of any person who knowingly receives the benefit of the discrimination.

Differences for Quantities

May a producer make arbitrarily different prices, whether by way of discounts or otherwise, based solely on different quantities sold to different purchasers?

No. Price-differentials on account of quantity must not exceed the actual savings to the seller in the cost of manufacture, sale, or delivery resulting from the differing quantities in which the goods are sold or delivered to the different purchasers.

Meeting Competition

What may a producer do as to meeting the prices of a competitor?

A producer may meet an equally low price of a competitor, but in so doing he must be prepared to justify his act by proving he actually met a competitor's lower price. If the competitor's lower price is in itself a discriminatory price, the producer meeting it would do so at his peril, because it might be held he did not do so in good faith, or he should have used his legal remedies as provided in the act.

Split Commissions

(a) Is it a violation of the law for an agent to split his commissions with a purchaser? (b) If so, who is the violator?

(a) Yes. The agent is the representative of the producer and splitting his commission would constitute price disrimination. (b) The agent, the producer, and the purchaser if he thereby knowingly receives such price favor.

Payment of Commissions

Does the act restrict producers in any way as to the payment of commissions, brokerages, or other compensations?

Yes. Under the new section 2(c) of the Clayton act it is unlawful for sellers to pay brokerage, agent commission, compensation, or discounts in lieu thereof, except for services rendered in connection with the sale or purchase of the goods, to buyers or to anyone acting for or on behalf of buyers.

Consumer Agents

Is it a violation of the law for a producer to employ a consumer as his agent and pay him agent compensation (a) as to fertilizer such consumer uses on his own farm? (b) as to fertilizer which the consumer sells to others?

(a) Yes. As to such fertilizer he is a buyer—the other party to the transaction—and renders no service to the seller. (b) No. As to such fertilizer he is a representative of the producer and renders him a sales service.

Accepting Commissions

Does the act prohibit anyone from receiving or accepting brokerage, agent commission, or other compensation prohibited by new section 2(c) of the Clayton act?

Yes. The section not only prohibits the granting of such commissions or compensations but it also prohibits anyone from receiving or accepting them.

Treatment of Agents

May a producer discriminate between his agents through the furnishing or renting of warehouses or may he discriminate between them by paying different compensations without regard to the services performed for the producer?

A competitive situation between producers arises in the fertilizer industry from the selection of selling "agents" and the retention of them as distributing outlets. Frequently such "agents" represent two or more competing producers. Because of this and other factors involved in the relationship of producer and "agent" it would be unwise to discriminate between them. The new section 2(d) of the Clayton act prohibits a seller from paying anything to customers for services rendered by them in connection with the processing, handling, sale, or offering for sale of his goods unless the same payment is made available to all other "ustomers" competing in the distribution of the seller's goods. Whether or not fertilizer "agents" are "customers" within the meaning of that term as used in section 2(d) will depend upon the facts involved in the individual transactions between producer and "agent."

Buyers and Agents

A producer pays his agent on a commission basis, the rate increasing as the number of tons sold increases. The producer also allows justifiable quantity discounts to consumer-buyers. The quantity discunts allowed to consumer-buyers are not as great as the increase in the commission rates, with respect to the same quantity of fertilizer. Has the law been violated?

No. There is no relationship between quantity discount to buyers and quantity compensation to agents.

Dealers and Consumers

May a producer charge prices to dealers different from those he charges to consumers?

Not unless he can show that the price difference is only a due allowance for differences in the cost of manufacture, sale, or delivery resulting from the differing methods or quantities in which such commodities are to such purchasers sold or delivered.

Transportation Allowance

A producer selling on a delivered-to-the-farm basis pays the purchaser a compensation, for trucking from his factory, of a stated sum per ton for the first 15 miles and a stated number of cents per mile for each additional mile. Is this a violation of the law?

No, if the amounts stated are reasonable for the purposes indicated.

Geographic Distinctions

A producer divides his sales territory into certain areas which he calls "districts" and sells his goods at different prices in each such "district." Is this a violation of the law?

Not unless such "districts" are competitive, and even then meeting an equally low price of a competitor may justify a price differential.

Receiving Discrimination

Is it a violation of the law for a person knowingly to receive or induce an unlawful price-discrimination?

Yes. This is expressly provided in the act.

Interstate and Intrastate

If a producer makes some sales in interstate commerce, is he thereby necessarily in interstate commerce as to all sales transactions?

No, but under the Robinson-Patman act a price-differential between an interstate sale and an intrastate sale may constitute an unlawful discrimination. In this connection it is well to remember that when the activities of companies doing business solely within a State are such as burden interstate commerce directly and substantially the Federal government may take jurisdiction to remove the obstruction to the free flow of commerce.

Interstate Buying

A producer who has a plant in Chicago purchases materials which are, as a result of his order, shipped to such plant from other States. Is he engaged in interstate commerce as to such purchases?

Yes.

Interstate Selling

A producer who has a plant in Chicago has an agent in Ohio. The agent obtains an order for mixed fertilizer which is shipped direct from the Chicago plant to the buyer in Ohio. Is this sale in interstate commerce?

Yes.

Shipments to Agents

A producer who has a plant in Chicago has an agent in Ohio. The agent obtains an order for mixed fertilizer which is shipped from such plant to the agent for delivery to the buyer in Ohio. Is this sale in interstate commerce?

Yes.

Meeting Market Conditions

Is it a violation of the law for a producer to change his prices to meet changing market conditions?

No.

Sales to Governmental Agencies

Does the Robinson-Patman act apply to sales to governmental agencies?

Yes. Sales to governmental agencies may result in injury or destruction of competition, the same as sales to other purchasers.

Penalties for Violation

If the new section 2 of the Clayton act is violated, what may happen?

(a) Federal Trade Commission order to cease and desist from the unlawful discrimination; (b) civil action by the injured party for treble damages; (c) injunction by the Federal courts at the instance of the injured party or the United States Department of Justice.

Proof of Justification

In a hearing before the Federal Trade Commission, who must carry the burden of showing whether or not there was justification for a price-discrimination?

The party charged with making the discrimination.

Criminal Penalties

Does the act make provisions for any criminal penalties?

Yes. Criminal penalties are provided for any violation of section 3.

Liability of Participants

Is it a violation of the law for any person to take part or assist in a sale which discriminates to his knowledge against competitors of the purchaser?

Yes. It is a violation of section 3 and is punishable by a fine of not more than $5,000 or imprisonment for not more than one year, or both.

Section Discrimination

Is it a violation of the law for a producer to sell fertilizer at lower prices in one part of the United States than in another for the purpose of destroying competition or eliminating a competitor in such part of the United States?

Yes. It is a violation of section 3 and is punishable by a fine of not more than $5,000 or imprisonment for not more than one year, or both.

Price-Cutting

Is it a violation of the law for a producer to sell fertilizer at unreasonably low prices for the purpose of destroying competition or eliminating a competitor?

Yes. It is a violation of section 3 and is punishable by a fine of not more than $5,000 or imprisonment for not more than one year, or both.

Co-operative Associations

How does the Robinson-Patman act affect the status of co-operative associations?

Representative Utterback, who was in charge, in the house, of the conference report on the bill, made the following clear statement with respect to the section relating to co-operative associations:—

"Section 4 represents another provision added to the bill in the fullness of caution to protect the distribution of co-operative earnings or surplus among their members on a patronage basis. In the dealings of co-operatives with others they share, of course, the protections and guaranties of the bill as to equal treatment and equal opportunity which it extends to producers, manufacturers, and merchants in trade and commerce generally. It leaves the members of co-operatives free to seek through co-operative endeavor the economies and savings of mass operations and assures to them, as compared with their larger corporate competitors, any real economies and savings to which those mass operations entitle them, and which they often now do not receive. There is nothing in the last section of the bill that distinguishes co-operatives, either favorably or unfavorably, from other agencies in the streams of production and trade, so far as concerns their dealings with others."

Co-operative as Agent

May a co-operative association lawfully be paid or lawfully accept any commission or other compensation as agent for a producer?

That depends on the facts in each case. The State law under which the association was organized, the provisions of its charter, the contractual relationship and the actual transactions between the association and its members, the scope and nature of the association's activities, and other pertinent factors would have to be considered. If the association, under all the facts, is the buyer or the buying agent of its members, then under section 2(c) paying or accepting agent compensation, except for services rendered in connection with the sale or purchase of goods, would be unlawful.

Industry Should Be Made Articulate for Service

(Continued from page 5)

well, but who are not experienced in handling different lines of industry. I can think of some of the mistakes that have occurred by having blocs that are not informed on all lines doing things. We have in Kansas, and I believe they also have in Minnesota, a labor law that is intended to protect the laboring man. When it was put into effect in Kansas, I believe 5,000 men were thrown out of work the next day. They were thrown out of work because they had one eye and in the event they lost the other eye, the employer was liable for $25,000 damages. They could not take the chance.

Since the bloc system of representation is the kind that has naturally evolved, why not organize it? Let us do like the general does when his army is disorganized—wave our saber. Let us come together and organize. We have among the trade organizations those who will be able to handle our economic situation; but the government cannot go to a group like that at the present time; the facilities are not there. We have a representation that is based on conditions many years ago when our interests were isolated and rather circumscribed and it was the proper scheme. Since that time, there has been another scheme, but that has not been represented. Our present method is not to be changed, but business is now inarticulate and it should have some means of making its voice heard.

There are those among you who would say the national chamber of commerce is admirably situated to do this. But, if the chamber of commerce does do this, it must go back and say, "Trade associations, bring your men together and let us get our representation in that manner."

I would like to see our organization step forward, organize all the organizations together into one supercouncil, if you will, and proceed then to have business articulate rather than inarticulate; have it direct its destiny rather than have its destiny directed.

Hercules Powder Gives Lacquer-Making Course

A course of training in the formulation of lacquers has been inaugurated by the Hercules Powder Company, Wilmington, Del., as a service to users of its lacquer materials. This course will run for five months, and it started with an enrollment of about twenty young chemists from sixteen companies interested in lacquers.

The purpose of the course, the idea for which originated with M. G. Milliken, is to teach the fundamentals of protective coating materials and their application. The training is being given in the company's experiment station under the direction of C. B. Gilbert and G. H. Pfeiffer, research chemists for the Hercules company, who are devoting their entire time to the work.

During the course special aspects of the general subject will be presented by the following members of the Hercules staff:—J. Barsha, I. Clare, J. D. Clark, R. A. Coolahan, C. Ender, E. A. Georgi, W. E. Gloor, F. W. Herman, C. B. Hollabaugh, C. L. Jones, W. A. Kirklin, W. Koch, J. G. Little, M. L. Little, Dr. E. J. Lorand, E. Mayfield, A. B. Miller, A. R. Olsen, G. H. Peters, E. G. Peterson, J. M. Peterson, L. Quincy, H. Reeves, jr., J. M. Schantz, Lura Shorb, J. K. Speicher, and A. S. Tweedle.

In addition to the instructors from the Hercules organization representatives of the following manufacturers of lacquer materials will discuss their products before the students:—Anderson-Prichard Oil Corporation, Bakelite Corporation, Baker Castor Oil Company, Barrett Company, Beck, Koller & Co., Binney & Smith Company, Carbide & Carbon Chemicals Corporation, Commercial Solvents Corporation, DeVilbiss Company, Imperial Paper & Color Corporation, Monsanto Chemical Company, New Jersey Zinc Company, Nuodex Products, Inc., R-B-H Lacquer Base Company, Resinous Products & Chemical Company, and Stroock & Wittenberg Corporation.

The companies represented by students in the Hercules lacquer course are Arco Company, Atlantic Lacquer Manufacturing Company, Atlas Powder Company, Beckwith-Chandler Company, Cook Paint & Varnish Company, Endicott-Johnson Corporation, Honeywell & Stein, Ltd., Jones-Dabney Company, A. P. Nonweiler Company, Paraffine Companies, R-B-H Lacquer Base Company, Roxalin Flexible Lacquer Company, Sonoco Products Company, Stanley Chemical Company, U. S. Industrial Chemical Company, and Wolverine Finishing Materials Company.

Canadian Iron Oxides Output

Production of iron oxides in Canada amounted to 5,516 tons, valued at $77,075, in 1935, according to the Dominion Bureau of Statistics. Production in 1934 was 4,959 tons, valued at $66,166. Quebec Province turned out about 97 percent of the total quantity produced, the rest coming from British Columbia. The number of establishments was five, with a total capital employed of $175,935; the number of employees was thirty-two. Production in the first six months of this year amounted to 1,548 tons, valued at $21,395, compared with 2,072 tons, valued at $31,443, produced in the first half of 1935. In that year the Canadian paint and varnish industry consumed 990 tons of iron oxide pigments.

Alcohol Tests Discussed At A.O.A.C. Convention

(Continued from page 3)

Dr. H. J. Wollner, consulting chemist to the Secretary of the Treasury. He stated that he is considerably concerned over the fact that present methods of alcohol analysis are not designed for Treasury department purposes, and that the department is trying to collect taxes on mystical qualities since there is no accurate definition of whisky and other alcohol products. The department cannot be content with approximate generalities but must search for critical procedures and wants to be able to determine the source of alcohol by analysis. To this end, he said, the Treasury technical staff is erecting new equipment and making a new approach to the problem and he asked the cooperation of the A.O.A.C. members. The first problem, he said, will be to take whisky of known source and composition and attempt to break it into its component parts, and in this way develop more accurate analytical procedures.

Dr. Wollner was followed by his associate, S. T. Schicktanz, who presented a technical paper on "Titration Curves of Whisky and Their Analysis."

The President's Address

In the annual address of the president of the association, Dr. H. H. Hanson, of the Delaware State Board of Agriculture, discussed the purposes of the organization and the success with which those purposes have been partially accomplished. Specialists must have their methods checked by collaborative chemists to make the methods clear and specific for those who are not specialists in that field for which the methods of testing might be designed, he said. He predicted that the work of the association would expand, but warned against a mere "thin" coverage of new fields which would tear down the reputation for preciseness for which the A.O.A.C. has been noted. In concluding, Dr. Hanson expressed his appreciation to those of the association who have not received "the plaudits of the crowd" but have worked in the back-ground letting their colleagues have the spotlight, and predicted the furtherance of the association's methods of testing.

Several problems in connection with testing alcoholic beverages were discussed at length during the convention. In a paper on wines, B. G. Hartmann, Washington, discussed methods used in California wineries and recommended that the association make a study of alcoholic content of wines and also of the determination of methyl alcohol in wines. Another referee recommended a tentative test method for determining thujone in absinthe-type cordials and liqueurs.

Drug Section Discusses Tests

The drug section heard discussion of a large number of testing methods, under the chairmanship of Dr. L. E. Warren, Washington.

Dr. C. K. Glycart of Chicago read a paper on ergot alkaloids, a method for determining the water soluble alkaloid which was one of the outstanding papers of the session. The paper discussed the application of the colorimeter in determination of ergot alkaloid. Dr. Glycart recommended that the subject be further studied by the association during the coming year. The fact that the use of carbon tetrachloride, in certain of the tests described, gives emulsions that last for days—upsetting the test—was also brought forth in the discussion following the reading of Dr. Glycart's paper.

The test on determination of santonin, phenophthalein, and calomel in tablets was not adopted by the association and it was recommended that further work be done on these tests—especially the results on phenolphthalein. The method suggested has been tried on commercial tablets also, with indifferent results in the case of phenolphthalein:

The referee on benzyl compounds recommended that further work be dropped on this subject. The method of assay of hexylresorcinol was recommended by the referee to be adopted as tentative and further recommended that the study on this subject be continued.

Drugs and Their Effects on Man

The report on rhubarb and rhaponticum by A. Viehoever, Philadelphia, brought out the fact that the difference between these two substances can not as yet be tested chemically and that the only method of testing the difference between them is by a microphysiological test. There must be an attempt made to bridge the lack of chemical knowledge by microphysiological tests, said Dr. Viehoever. He stressed the fact that the reason for testing drugs is to protect man from physical harm from these drugs by ascertaining whether certain of these drugs are present in food, medicines, etc. "The study of how drugs affect man should come before the study of testing of foodstuffs, medicine, etc., for those drugs which affect man in a harmful manner, and it is only when we study life more intimately that we will know how our drugs affect us. This can be done only by a physiological method, not by a chemical method," said Dr. Viehoever.

The report on pyridium, by H. J. Fisher was recommended for further study with the titration method. The referee on cinchophen, and sodium bicarbonate tablets, recommended that the test be adopted as tentative by the association and that further study on the subject be closed.

Test on aspirin and phenolphthalein was not approved and a new method of test in this field is to be sought.

The test on cubeb, which was a method for the evaluation of cubeb, was recommended to be adopted as tentative. This method is an adaptation of the ginger test found in the association's book of methods.

Titration of Alkaloids

A paper on methods of titration of alkaloids was read by R. L. Herd, Buffalo, who reported that present methods are unsatisfactory. He stated that he was going to try to find and use some new approach to the problem. During the discussion on this topic the suggestion was made by a fellow member that the Valser reagent would probably give better satisfaction than the Mayer reagent, which heretofore has been more commonly used in this type of test.

Discussion of naval stores tests, led by Dr. F. P. Veitch, Washington, brought out the need for new methods of detecting adulterants in turpentine, due to the fact that there is widespread use of new types of paint and varnish thinners made of petroleum naphthas manufactured by hydrogenation. Present testing methods depend on sulphuric acid, but these new thinners are soluble in sulphuric acid, it was declared, and Dr. Veitch stated that at the next meeting the Department of Agriculture hoped to be able to present an entirely new method for checking by A.O.A.C. referees.

In the feeding stuffs session a paper on fluorine in feeding stuffs was read by Dan Dahle, Washington, in which a study was made of the toxicity of small amounts of fluorine in feeding stuffs.

A progressive increase in calcification by the feeding of vitamin D was revealed in the paper read by L. L. Lachat, St. Paul, Minn., entitled "Technic and Details of Biological Methods, Vitamin D Carriers." He recommended that this method be adopted as tentative.

In the report of the editorial board of the Association's "Journal," H. A. Lepper reported that there are now more pages, more subscribers and more reviews of technical publications in the "Journal" and that prompt publication will be forthcoming in the future.

The report of E. M. Bailey, chairman of the Board of Editors of the Association's "Methods of Analysis" was that the edtiors must guard against undue bulk of the book, but must nevertheless cover the additional methods that are necessary to the work of the association.

Definitions of Terms

Definitions of fertilizer terms were given in the report of the committee on definitions and terms and interpretation of results on fertilizers. The official definitions adopted are as follows:—

Air-slaked lime is a product composed of variant proportions of the oxide, hydroxide and carbonate of calcium, or calcium and mangesium, and derived from exposure of quicklime.

Pulverized limestone (fine-ground limestone) is the product obtained by grinding either calcareous or dolomitic limestone so that all of the material will pass a 20-mesh sieve, and at least seventy-five percent (75%) will pass a 100-mesh sieve.

Ground limestone (coarse-ground limestone) is the product obtained by grinding either calcareous or dolomitic limestone so that all of the material will pass a 10-mesh sieve and at least fifty percent will pass a 100-mesh sieve.

Ground Shells is the product obtained by grinding the shells of mollusks so that not less than 50 percent shall pass a 100-mesh sieve. The product shall also carry the name of the mollusk from which said product is made.

Ground Shell Marl is the product obtained by grinding natural deposits of shell marl so that at least 75 percent shall pass a 100-mesh sieve.

A non-acid forming fertilizer is one that is not capable of increasing the residual acidity of the soil.

An acid forming fertilizer is one that is capable of increasing the residual acidity of the soil.

The definitions read the second time as tentative are as follows:

Dolomite is a mineral composed chiefly of carbonates of calcium and magnesium in substantially molar proportions.

Primary Fertilizer Components are those at present generally recognized by law as necessary to be guaranteed in fertilizers, namely: nitrogen phosphoric acid, and potash.

Secondary Fertilizer Components are those other than the primary components which are essential to the proper growth of plants and which may be needed by some soils. Some of these are: calcium, magnesium, sulfur, manganese, copper, zinc, and baron.

Bat Manure is the dry excrement of bats.

Bat Guano is partially decomposed bat manure.

The definitions read the first time as tentative are as follows:

Analysis. The word *analysis* as applied to fertilizer shall designate the percentage composition of the product expressed in those terms which the law requires and permits.

Election of Officers

The following officers were elected:—President, Dr. C. C. McDonnell, associated with the Food and Drug Administration, and a member of the organization for forty-two years; vice-president, Dr. H. R. Kraybill, Lafayette, Ind., former member of the executive committee. Dr. W. W. Skinner, U. S. Bureau of Chemistry, Washington, was re-appointed secretary-treasurer. L. G. Broughton, College Park, Md., will fill the post of Dr. Kraybill on the executive committee, and H. H. Hanson, retiring president, was made an ex-officio member of the committee.

The meeting of the section on soils and liming materials and fertilizers was opened by a paper of K. T. Williams on "Selenium in Soils"; a method of testing for selenium by the distillation of the soil in a preparation of hydrobromic acid and bromine. The method was recommended by Mr. Williams to be submitted to the collaborators.

It was recommended by the associate referee of this section that a paper be prepared on, "The Sources of Error Which Commonly Arise in the Determination of the Alkaline Factor in Soils."

In the paper prepared by J. S. McHargue on, "Less Common Metals in Soils," a recommendation was made that the fusion method of testing, as set forth in the book of methods for testing for the less common metals, be revised to eliminate sodium sulphate as a reducing agent as it is not necessary.

Industry Parley Plans Are Outlined by Berry

(Continued from page 3)

Brooklyn, representing the New York State Pharmaceutical Association; A. L. Kuehn, of the American Creosoting Company, Louisville; George Link, jr., New York, representing the Carbon Paper and Ink Ribbon Association; Robert T. Baldwin, New York, agency for industrial alcohol; A. O. Boniface, New York, representing the Chemical Fire Extinguisher Association; and a number of individuals who head retail drug stores, oil companies, and other enterprises.

Definition for 'Commerce'

The council, Major Berry said, will try to formulate a definition of "interstate commerce," which recognizes the nature and economic functioning of industry and commerce today."

The first day of the meeting will be devoted to open-forum discussion, and everyone interested will be invited to express his views and to file briefs in support of them. The record of the discussion and the briefs will then be submitted to the various committees designated to deal with specific problems.

While Major Berry stated that actual details of the legislative program naturally would come as the result of council's deliberations and from agreements reached with the council itself, he indicated that a comprehensive idea of the trend of the legislation to be proposed could be gained by study of the seven committee reports adopted by the organization last April.

Unstability Is Imminent

Citing the continuing divergence between the rise of employment and wages on the one hand, and production and profits on the other, as leading toward unstable industrial conditions and eventual return of depression, Major Berry continued:

The low wages paid and the long hours of work exacted by a minority of employers in some industries are exerting an irresistible-competitive pressure on employers who wish to maintain standards of hours and wages that will spread employment and increase purchasing power, to choose between reducing wages and lengthening hours of work, or going out of business.

The increases in wage returns being announced every day by large employers, laudable as they may seem, do not meet the situation. Putting more money into fewer pay envelopes neither reduces employment nor increases mass purchasing power. Moreover, it is of no help in reducing expenditures for relief or in balancing the national budget.

Lasting stable prosperity cannot be attained unless employment and mass purchasing power call for maximum use of our productive facilities and justify the increasing corporate earnings reported.

Purpose Doing Much

Admitting that many industrial sources had been very much concerned over the agenda for the coming industrial conference, Major Berry emphasized that, other than consideration of the reports of council committees and means of effectuating their recommendations through legislative action, the further agenda of the meetings must come from spokesmen for industry management and labor. In this connection he said:—

It has been reported to me that at a meeting in New York yesterday, a large group of trade association executives were advised to stay from the industry council meetings in Washington because this organization was merely "a sponge to sop up the complaints of industry, but not to do anything about them." That is a half-truth, and the speakers have my approval when they said we are here to receive industry's complaints in free and open discussion. That is the continuing aim and purpose of these conferences. The tragic mistake these uninformed gentlemen made was when they said the council was not going to do anything about these problems.

We've already done something, and we expect in coming weeks to do a lot more, whether or not with the co-operation of all these parties who would have us believe they are so vitally concerned with industrial welfare. I am greatly encouraged by the growing membership of the industry council. We have gained many new members recently, and their letters indicate their faith in what we propose to do.

No Official Conflict

Referring to recent newspaper reports of discord within the administration over the method of dealing with cooperation between industry and the government, Major Berry indicated that he had no knowledge of any such difficulty, and he continued:—

The plan of the Council for Industrial Progress is entirely different from that of any other agency functioning now or at any time in industrial history. Its advocacy and support of industry legislation is predicated on a different basis. It provides for voluntary conferences of employer and employee representatives, at which agreements on specific problems will be sought for the purpose of advising and aiding the President and Congress.

Any statements indicating conflict of authority are absurd. Since there is no other such agency within the government or industry, the Council for Industrial Progress cannot be in conflict with any other organization.

Andrews to Hold Lead Exhibit

The Andrews Lead Company will hold an exhibition and demonstration of lead burning, lead welding, and other uses of lead in the company's chemical plant, at 30-48 Greenpoint avenue, Long Island City, December 18, beginning at 2:00 p.m. Some of the subjects covered will be overhead burning, underhand burning, upright burning, butt joints, roll joints, homogeneous bonding, and methods of strapping. Representatives of chemical companies are invited.

Talc-magnesite ores in Vermont have been satisfactorily concentrated for both minerals by a flotation process described in a report of investigations by the Bureau of Mines. A copy of this report (No. 3314) may be obtained free from the bureau's section on publications, Washington.

Oils, Fats and Waxes

Cottonseed Oil Active and Higher—Soybean Advanced by Producers —Copra and Coconut Oil Up Again—Palm and Palm Kernel Oils Rise Sharply—Lard Compound Raised

Quotations on miscellaneous oils, fats and greases still had an upward trend last week, advances being recorded in all branches of the market. Not only were spot prices higher but in the case of commodities of foreign origin, quotations were higher abroad, offerings generally being light at the advance. An improvement was noted in business here, buying interest being stimulated by a further advance in cottonseed oil prices in local and Southern centers, by noteworthy strength in the markets for grain, and by the favorable character of advices concerning the trend in various industries in which the consumption of raw materials, oils and fats included, is large.

A development of importance in the way of price changes was a further advance in copra and cocoanut oil. The former product established a new all-time high level in London. Producers of oil were out of the market so far as spot product was concerned and were apparently not in a position to seek much new business for future delivery. Palm and palm kernel oils were much stronger, not only on spot but also for shipment. Peanut oil was higher in foreign and domestic markets. Sales of olive oil foots were reported at higher prices.

Refined fish oils were firm at the advance in prices announced in the previous week. A further improvement was noted in demand for these products from local and other consumers. Offerings of crude fish oils were reported as light in primary centers and prices appeared to be firm. Lard, neatsfoot, oleo and tallow oils were advanced rather sharply by producers. Greases were somewhat more active in a jobbing way and the market had a firmer tone. Marketing of hogs continued on a liberal scale in the West but the trend of lard prices was upward at times. An increase was reported in the foreign demand for lard. Tallow was quiet but offerings were light and the market retained a firm tone.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Chinawood oil, ⅜c. per lb.
Coconut oil, crude, ¼c. per lb.
Coconut oil, refined, ¼c. per lb.
Copra, 15-100c. per lb.
Corn oil, crude, ¼c. per lb.
Cottonseed oil, domestic, crude, ¼c. per lb.
Cottonseed oil, imported, semi-refined, ⅛c. per lb.
Degras, crude, ¾c. per lb.
Lard, 25c. to 70c. per 100 lbs.
Lard compound, 25c. per 100 lbs.
Lard oil, 25c. to 50c. per 100 lbs.
Linseed cake, $2.50 per ton.
Linseed meal, $1 per ton.
Neatsfoot oil, 25c. to 50c. per 100 lbs.
Oiticica oil, ¼c. per lb.
Oleo oil, ½c. per lb.
Olive oil, denatured, 5c. per gal.
Olive oil foots, ¼c. per lb.
Palm oil, ¼c. per lb.
Palm kernel oil, ⅜c. per lb.
Peanut oil, domestic, crude, ¼c. per lb.
Peanut oil, Oriental, crude, ⅜c. per lb.
Perilla oil, ¼c. per lb.
Soybean oil, 3-10c. per lb.
Stearin, ¼c. per lb.
Sunflower seed oil, ½c. per lb.
Tallow oil, 50c. per 100 lbs.
Teaseed oil, 1c. to 1½c. per lb.

Reduced

None.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
141.6	138.8	134.1	146.5

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on animal, vegetable, and fish oils (under oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Vegetable Oils

Babassu.—The market remained firm. Domestic producers were not in a position to offer for delivery before March, for which 9¾c. per pound was quoted in tankcars. The inquiry continued good, especially as the trend of many other vegetable products was still upward.

Chinawood.—Quieter conditions prevailed in domestic markets last week in the absence of anything stimulating in the way of developments in the primary center where changes in prices were narrow, the tone being somewhat easier early in the week and slightly firmer later on. Conditions abroad in the matter of price movements were reflected here. Late in the week quotations were about where they stood at the end of the previous period, 12.9c. per pound generally being named for spot oil in tankcars and 12.6c. for new season oil. Occasional inquiries were noted but actual transactions were apparently limited to comparatively small quantities.

Coconut.—The crude situation here and on the Coast continued to be featured by a scarcity of spot supplies, an absence of free offerings for future delivery and a generally strong tone. Reports were again current of occasional sales of spot oil among second hands at 7½c. per pound in tankcars. On the Pacific Coast sales of spot oil were reported at 7¼c. per pound. One prominent local seller was quoting 7¼c. per pound for crude in tankcars on a January-March spread. Other local interests remained out of the market. Copra was strong abroad, the London quotation moving up to a new all-time high of £20 2s. 6d. per ton. Refined oil was also stronger in the local market at 12½c. per pound for tankcars. Business in refined oil was fairly active.

Corn.—Crude was stronger, influenced by an upward trend in cottonseed oil and other vegetable products. An increase was noted in the inquiry and quotations were generally about ¼c. per pound higher, the figures being more or less nominal. The Chicago market for grain rose sharply at one time. Refined oil was fairly active and firm.

Cottonseed.—Edible oil was maintained at previous levels by domestic refiners but the tone of the market appeared to be firmer. Demand was more active. Semi-refined imported oil met with a fair inquiry. Shipment prices were about ⅛c. per pound higher with offerings reported as light.

Oiticica.—The inquiry was somewhat better. Spot supplies in some quarters have diminished and the market was firmer, quotations in some instances being ½c. per pound higher.

Olive.—Foots met with a better inquiry from local and other consumers, buying interest being stimulated by strengthening advices from abroad and by developments in other commodities here. Sales were reported on spot at 9½c. per pound and there seemed to be little if any available at less than that figure. Denatured oil was also firmer. Quotations were advanced 10c. per gallon, the figure being nominal owing to scarcity and uncertainty concerning future supplies. Late in the week it was reported that Spain had placed an embargo on all exports of olive oil.

Palm.—A much stronger spot situation resulted from a further rise in prices abroad, where shippers were apparently not in a position to offer except in a comparatively limited way. Shipment prices on Niger were up ¼c. and this was reflected in the spot market. Softs were advanced about ½c. per pound with the figures mainly nominal.

Palm Kernel.—Foreign and domestic markets were strong. For imported oil in bulk 7c. per pound was quoted for shipment late in the week and this figure appeared to be more or less nominal. Oil of domestic production was advanced to 7.65c. per pound in tankcars, but producers were not in a position to offer for nearby delivery.

Peanut.—A stronger tone was reported in Southern markets where sellers were reserved owing to developments in cottonseed oil and other vegetable products. Quotations ranged from 9¼c. to 9½c. per pound in tankcars in the Southeast. Oriental peanut oil was sharply higher, 6.65c. per pound being quoted for January-February shipment in bulk, c.i.f. New York.

Perilla.—The inquiry was more active and the market was firmer, sales being reported at 9⅜c. to 9½c. per pound in tankcars with the latter figure, or a shade higher, generally named late in the week.

Rapeseed.—With spot stocks small and uncertainty existing concerning future supplies, the market was very firm, further sales being reported at 75c. per gallon.

Soybean.—Quotations on crude oil were advanced 3-10c. per pound by producers to the basis of 8.5c. in tankcars at mills. There was a steady movement into consuming channels on contracts and reports were current of some improvement in new business.

Markets at Other Centers

San Francisco, Dec. 1.—Prices in vegetable oils have been steady to advancing. Spot materials are particularly in demand, this position of the market being most af-

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fected by the continuing shipping strike and a sale of a prompt shipment car of coconut oil made news here last week at 7¼ cents. Perilla oil, of which some still remains in storage here, duty free, ran into some activity and jumped up considerably.

Ruling prices are:—

BABASSU.—Spot oil is quoted at 9⅝c. per pound in tankcars, and 9⅜c. for February-March shipment, f.o.b. mill, Pacific Coast.

COCONUT.—Largely nominal, although a tankcar of spot oil was reported to have moved here last week at 7¼c., f.o.b. Futures into January-February quoted nominally at 6¾c. per pound.

COPRA.—Mills here are shut down because of a lack of supplies, owing to the strike, although vessels remain in the Bay with copra cargoes. Quoted at 4.30c. to 4.35c. per pound, c.i.f. Pacific Coast ports. Meal is quoted at $40 per ton, ex mill.

COTTONSEED.—Semi-refined foreign oil is quoted as follows:—Brazilian, 9.80c. per pound, duty paid in tankcars, f.o.b. Pacific Coast; Japanese, 10c. per pound, December-February shipment.

PERILLA.—Japanese oil is quoted at 9¾c. per pound in tankcars, prompt shipment from the Pacific Coast. Futures, for shipment from Japan, not quoted.

HEMPSEED.—Nominal. Crude oil is quoted on the nominal basis of 8c. per pound in tankcars, f.o.b. mill, Pacific Coast.

RAPESEED.—Nominal, with "in bond" quotations prevailing only. No interest is found.

TEASEED.—Quoted at 10c. per pound in drums, c.i.f. Pacific Coast for January-February shipment from the Orient, with bids in the market at 9⅝c.

SESAME.—Crude oil is quoted nominally at 9¼c. per pound in tankcars, f.o.b. mill, Pacific Coast.

Current prices on animal, vegetable, and fish oils (under oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

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Chicago, Dec. 4.—Vegetable oils seem to be moving into a stronger, or at least a more active market situation. Sellers are now adopting a more definitely bullish attitude.

COCONUT.—Crude oil, 7½c. to 7¼c. per pound, prompt shipment; 6¾c. to 7c., deferred, Coast basis. Refined, edible oil, 11¾c. to 12c., barrels, car lots; and 12c. to 12¼c., barrels, less than car lots.

CORN.—Crude, low acid, 9½c. to 9¼c. per pound, partly nominal, tanks, mills. Refined, edible oil, 11¾c. to 12c., barrels, car lots; and 12c. to 12¼c., barrels, less than car lots.

CHINAWOOD.—Ruling spot, drums, 14c. per pound; futures, 12½c. to 12¾c.

SOYBEAN.—Crude, prompt shipment, 8½c. to 8¾c. per pound, mills; deferred shipment, same price.

PEANUT.—Crude, 9¼c. to 9½c. per pound.

Chicago, Dec. 4.—Price range on soybeans for the week ended Dec. 2:—Spot, No. 2 yellow, high, $1.38; low, $1.35¾.

London, Nov. 26.—Soybean oil, British crude, 31s. 6d. per hundredweight; palm kernel oil, refined, 34s. per hundredweight; rapeseed oil, crude extracted, 33s. 6d. per hundredweight; coconut oil, Ceylon, 26s. per hundredweight; peanut oil, Bombay, crude, 27s. 9d. per hundredweight.

Linseed Oil

Changes in domestic flaxseed prices were generally moderate. Buenos Aires was weaker. Linseed oil easy. Cake and meal higher.

Flaxseed—DULUTH, Dec. 4.—A firmer tone developed in the flax market this week, but trading in futures was still far from active. Dealings have been mostly in the way of exchanges between December and May, with the former sold and May bought. There are indications, according to Broomhall, that estimates on the exportable surplus from the 1936 Argentine flaxseed crop were too small. He pointed out an official report placed the surplus as of November 28 at 5,197,000 bushels, increasing the surplus estimate by approximately 3,500,000 bushels. Local cash business has been at a standstill owing to lack of receipts.

The week's closing price range was as follows:—

	Cash.	Dec.	May.
Saturday	$2.11	$2.01	$1.99¼
Monday	2.11	2.01	2.02
Tuesday	2.12½	2.02	2.02½
Wednesday	2.13	2.03	2.03
Thursday	2.14	2.04	2.03
Friday	2.13¾	2.03¾	2.03¾

Crop movement in bushels follows:—

	Receipts 1936.	Receipts 1935.	Shipments 1936.	Shipments 1935.
This week..	66,982	7,620	85,115	184,864
Since Aug. 1...	814,204	3,519,152	711,181	2,356,108

MINNEAPOLIS, Dec. 4.—Flax of good quality continues in good demand locally but the market for the ordinary to poor quality is quite a bit slower. Owing to the arrival of another cargo of Argentine seed at Duluth crushers feel easy about future requirements and only one or two buyers are showing real interest in domestic road offers. Preference is shown for medium to good seed with liberal dockage content.

Virtually all of the flax coming to market currently is originating in the Red River Valley and shows fairly acceptable quality. A few cars are moving in from southern Minnesota territory but nothing seems to be coming from South Dakota or Montana at the moment.

Elevator buyers are still picking up seed to mix for delivery but so far no tenders have been made on December contracts.

Receipts in the country are very light currently and no movement of consequence is expected during the balance of the crop year. Line elevator managers say that farm sales are decidedly small and although there may be a slight pick-up to secure a little holiday money light primary receipts are expected from now on.

The week's closing price range was as follows:—

	Cash.	Dec.	May.
Saturday	$2.16¾	$2.06¾	$2.04
Monday	2.17	2.07	2.03¾
Tuesday	2.18	2.08	2.04¾
Wednesday	2.19½	2.09½	2.06
Thursday	2.19	2.10¾	2.07
Friday	2.20	2.11½	2.08

Crop movement in bushels as follows:—

	Receipts 1936.	Receipts 1935.	Shipments 1936.	Shipments 1935.
This week..	73,600	170,760	....	20,230
Since Sept. 1...	1,319,610	6,380,050	246,840	624,850

WINNIPEG, Dec. 4.—Flaxseed prices were irregular, changes generally being moderate. Trading was quiet. The week's closing range was as follows:—

	Cash.	Dec.	May.
Saturday	$1.58½	$1.58	$1.62
Monday	1.56	1.56	1.60⅝
Tuesday	1.58½	1.58½	1.63½
Wednesday	1.59½	1.59½	1.64
Thursday	1.59¾	1.59¾	1.64
Friday	1.61½	1.61½	1.65⅞

BUENOS AIRES, Dec. 4.—Opening prices per bushel on December contracts were:—

	Last week.	Last year.
Saturday	$1.15⅞	$1.04⅞
Monday	*	1.04⅞
Tuesday	1.15⅞	1.04⅛
Wednesday	1.15⅞	1.04¼
Thursday	1.11⅝	1.03⅝
Friday	1.12⅛	1.04¼

* Holiday.

Exports

To—	Bushels Last week.	Previous week.	Last year.
United States	748,000	335,000	181,000
United Kingdom	4,000	8,000	43,000
Continent	398,000	697,000	472,000
Orders	374,000	638,000	764,000
Others	.....	58,000	.....
Totals	1,524,000	1,736,000	1,460,000

Since January 1

To—	Bushels This year.	Last year.
United States	13,753,000	14,660,000
United Kingdom	863,000	1,366,000
Continent	26,562,000	28,614,000
Orders	13,329,000	21,631,000
Others	2,703,000	2,922,000
Totals	57,210,000	69,193,000

Visible Supply

	Bushels.
Last week	2,756,000
Previous week	2,756,000
Last year	2,362,000

INDIA.—Exports of flaxseed from India last week were as follows:—

To—	Bushels Last week.	Previous week.	Last year.
United Kingdom	.....	192,000	.....
Continent	8,000	.....	.....
Others	12,000	.....	.....
Totals	20,000	192,000	.....

Since April 1—	Bushels This year.	Last year.
United Kingdom	7,276,000	2,568,000
Continent	820,000	600,000
Others	368,000	800,000
Totals	8,464,000	3,968,000

HULL, Dec. 4.—Quotations on flaxseed were:—

	Per ton La Plata.	Bombay.
Saturday	£11¼	£13¾
Monday	11¼	13¾
Tuesday	11⅛	13⅞
Wednesday	11⅛	13⅞
Thursday	11⅛	13⅞
Friday	11⅛	13⅞

Linseed Oil.—The announcement that the Argentina government had decided to discontinue the practice of fixing a minimum price for flaxseed constituted the principal development in the linseed oil situation last week. This action was in line with the expectations expressed recently by some in the trade here though others were of the opinion that the policy of pegging the price would be continued into next season.

The Argentina open market price weakened, December declining to $1.11⅝ per bushel after which there was a rally to $1.12⅛. The market here for linseed oil had an easier tone, influenced by the news from Argentina and also by bearish advices from that country regarding the progress of the new flaxseed crop. Local quotations on oil ranged from 8.6c. to 8.8c., per lb. in tank cars, according to seller. Reports were current to the effect that small concessions were available on a bid but sellers were apparently disinclined to push matters in view of the course of other vegetable oils, many of which were considerably higher.

There were reports of a somewhat better inquiry for oil but actual business was apparently limited to unimportant quantities, large consumers being inclined to hold off for further developments in the Argentina situation. There was a steady movement into consuming channels on contracts and to some the indications seemed to point to a material increase in consumption during the early part of next year as compared with the corresponding period in the current year. Favorable reports were also heard concerning the prospective consumption in foreign countries next year as a result of the scarcity and high prices prevailing for various other oils.

Receipts of flaxseed at New York last week were 550,600 bushels. Shipments from Argentina to the United States were 748,000 bushels making a total since January 1 of 13,753,000 bushels against 14,660,000 bushels in the same time last year.

MINNEAPOLIS, Dec. 4.—Demand for linseed oil is small and only small sized lots are moving to the consuming trade right now.

Early Argentine reports concerning yields are slightly bearish and weather news from that country is favorable. This tends to keep big buyers of oil waiting around for developments.

Quotations on carload lots, f.o.b. Minneapolis, cooperage 9.6c. per pound, tankcar lots 9c. per pound, warehouse lots 10c. per pound.

Shipments of oil in pounds were as follows:—

	1936.	1935.
This week	1,309,862	1,202,158
Since Sept. 1	14,353,994	31,466,351

CHICAGO, Dec. 4.—The foreign situation, with possibility of unsettling conditions affecting imports, has been a matter of some concern to those in the linseed oil market in recent days. The price structure is unaffected, but some nervousness is reported from the likelihood of increased

imports. Ruling prices of representative sellers are:—Tankcar, 9.2c. per pound; car lots, 9.8c.; warehouse deliveries, five drums, 10.2c.

SAN FRANCISCO, Dec. 1.—The trade here reported some activity in linseed oil last week. Sellers say that they expect the linseed oil users to come into the market in a still more active way soon, because contracts are starting to run out. Quoted:—Tankcars, 9.3c. per pound; drum car lots, ex-mill, 9.5c.; drum lots, exwarehouse, 10.3c.

LONDON, Dec. 4.—Quotations on linseed oil were:—

	Per cwt. s.	d.
Saturday	25	4½
Monday	25	4½
Tuesday	25	6
Wednesday	25	6
Thursday	25	6
Friday	25	6

Cake and Meal.—The spot situation was much stronger owing to a shrinkage in stocks. Supplies available for prompt delivery late in the week were apparently very small and sellers quoted $32 per ton for cake and $41 for meal, the figures being more or less nominal.

MINNEAPOLIS, Dec. 4.—The linseed meal market is a resellers' affair at the moment and there is little doing. Virtually all of the current output of presses is being applied on old and maturing sales and the resellers are making the market for the time being. Their prices depend on what they may have in the way of shipping instructions from customers but, generally speaking, they quote considerably under crusher valuations. Quotations on carload lots f.o.b. Minneapolis, 34 percent protein in 100 pound sacks, $48 to $50 per ton.

Shipments of meal in pounds were as follows:—

	1936.	1935.
This week	2,452,048	5,877,980
Since Sept. 1	29,137,522	65,158,141

CHICAGO, Dec. 4.—A moderate stringency of supply is noted in the linseed meal market. Large crushers are unwilling or unable to offer buyers much if any material on the open market and the resellers are in many cases sold up, it appears. Round lot business is limited. Ruling prices are:—Round lots, $47.50 to $48 per ton, largely nominal; car lots, $48; less than car lots, $50 to $50.50.

Cottonseed Oil

Refined oil futures were active. Prices showed irregularity but in the main the trend was upward. Large sales of crude oil were reported in the South.

Cottonseed Oil.—Speculative operations in the local market for refined oil futures were on a large scale last week. Transactions on Tuesday established a new high record for activity and the dealings on other days of the week were also unusually heavy. Fluctuations in prices were frequent, the general trend being upward early in the week, with a setback later after which there was another upturn. The irregularity was largely a reflection of unsettlement in the Chicago market for lard futures though heavy profit taking by longs and hedge selling on the one hand, and buying on resting orders on declines on the other, also contributed to the feverishness.

Despite the irregularity in prices, prevailing sentiment was still bullish in the absence of any material change in underlying conditions. Crude cottonseed oil was firm in the South. Large sales were reported at 9¼c. per pound and late in the week offerings were light although bids were reduced slightly by buyers. Mills, it was contended, were sold well ahead. Offerings of seed were reported as light at firm prices. Vegetable and animal products which compete with cottonseed oil were generally firm or higher. Copra moved up to a new all-time high level in London where the basis on Thursday was £20 2s. 6d. Sales of crude coconut oil were reported for December delivery at 7½c. per pound. Makers were out of the market so far as spot coconut oil was concerned and were not in a position to offer futures very freely. For January-March delivery 7¼c. per pound was quoted by one maker.

Advances occurred in corn, peanut, palm, palm kernel, soybean and teaseed oils as well as olive oil foots. Imported oils were generally higher for shipment. Lard compound was in better demand and prices were advanced by makers. On the other hand the monthly statement of lard stocks in Chicago made a bearish exhibit. Supplies there showed an increase during November of 9,475,111 pounds against a decrease in the same month last year of 2,689,486 pounds. On December 1 stocks of lard in Chicago were 71,810,795 pounds against 62,335,684 pounds November 1 and 10,890,137 pounds a year ago. Marketing of hogs in the West continued on a liberal scale. It was stated that production of lard will probably continue heavy during the remainder of the current month after which a decline in production is expected. A falling off in hog receipts was also predicted after the turn of the year. Export demand for lard was reported as much more active and at times the Liverpool market for American lard displayed noteworthy strength.

Commission houses were on both sides of the market, their operations being on a large scale as outside public interest in the speculation has shown a material increase recently. Refiners were credited with sales on advances. According to some the long interest has been materially reduced, making the technical position healthier. There was heavy switching from near to distant position. December was switched to May at 20 to 34 points difference; January to May at 25 to 29 points and to July at 35 points; March to May at 13 points. Deliveries on December contracts thus far in the month have amounted to 46.

Following is a record of the market for bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from November 28 to December 4, inclusive:—

	Cents per lb. in tanks— High.	Low.	Close.	Sales. Tanks.
December	10.76	10.25	10.74@10.76	31
January	10.75	10.42	10.69@10.70	88
February	...	...	10.75 nom.	...
March	10.70	10.70	10.79 sale	617
April	...	...	10.85 nom.	...
May	11.04	10.67	10.95@10.98	867
June	...	...	11.00 nom.	...
July	11.11	10.80	11.03 sale	123
Total sales (56 switches)				1,782

Crude, Southeast, 9.25c. to 9.50c.
Valley, 9.25c. to 9.50c.
Texas, 9.12½c. to 9.25c.

Chicago, Dec. 4.—Tone is firm and healthy in the cottonseed oil market, with more buyers interested and with sellers not very willing to sell even at the currently improved prices. Good, off-Summer, yellow fig oil is 10¾c. Refined, edible oil is quoted at 11½c., barrels, car lots; and 11¾c. to 12c., barrels, less than car lots.

Hull, Dec. 4.—Quotations on cottonseed oil were:—

	Refined. Per cwt. s.	d.	Egyptian crude. Per cwt. s.	d.
Saturday	30	6	28	0
Monday	30	6	28	0
Tuesday	30	6	28	0
Wednesday	30	6	28	0
Thursday	30	6	28	0
Friday	30	6	28	0

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7.

Cake and Meal.—Southern markets were reported as steady or firm so far as the spot situation was concerned. The Memphis market for futures showed irregularity but offerings of spot materials were generally light. Business was reported as fairly active with a steady movement on contracts.

Markets at Other Centers

Atlanta, Dec. 2.—A flurry in cottonseed product market due, it is thought, to threat to imports of vegetable oils by the shipping strike, has sent prices upward all along the line. The trade is studying the situation to see if there are factors other than the strike involved that may maintain the advance in prices.

Weather is unfavorable for gathering the remainder of the cotton crop.

Quotations of this market are as follows:—

OIL.—9¼c. per pound.

MEAL.—Seven percent grade, $31 per ton, mill points.

HULLS.—Loose, $12 per ton.

SEED—$40 per ton.

Memphis, Dec. 4.—The past week in the market for crude oil was very active. Transactions were the largest for a considerable period and covered deliveries up to the end of June, 1937, at 9¼c. That figure is still bid. Cottonseed meal ruled firm at $33 per ton for 41 percent, Valley

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basis. Slab cake, $30 per ton, December-January. The reduced rates on cake and meal shipments to the drought territories were extended yesterday to the end of March. Weather cloudy and cool.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	November 25.	December 3.
December	$32.25@32.50	$32.90@——
January	31.20@31.45	32.25@——
March	30.70@31.00	32.00@——
May	30.30@——	31.35@32.25
June	30.20@30.70	31.25@32.75

Animal Oils

Degras.—The market was more active, buying interest being stimulated by developments in other commodities. Tallow had a firmer tone and the trend of various other fats and oils was upward. The market was firm.

Lard.—A stronger tone developed, the market being influenced by developments in basic materials. Lard oil selling schedules were advanced 25c. to 50c. per 100 pounds. There was a somewhat better demand from local and other buyers.

Neatsfoot.—Quotations were unchanged to 50c. per 100 pounds higher, the tone of the market being firm at the close of the week. Business lacked snap but there was a fair demand for moderate quantities for prompt shipment.

Oleo.—The market was stronger, prices being advanced 50c. per 100 pounds. A further increase was noted in demand from local and other buyers.

Tallow.—The strength of basic material was reflected in a firmer market for tallow oil, quotations being advanced 50c. per 100 pounds. Demand was routine.

Markets at Other Centers

Chicago, Dec. 4.—Animal oils, in keeping with the firmer tone that has been generating recently in the basic materials, are firmer. Buying is on a slightly more spirited plane. Takings are mostly in the form of limited lots, but their number seems to be sufficient to involve good totals in the aggregate.

LARD.—No. 1, 10¾c. to 11c. per pound; No. 2, 10½c.

OLEO.—No. 2, 10¾c. to 11c. per pound.

TALLOW.—Acidless, 9½c. per pound, tanks; 10½c., drums, less than car lots.

Fish Oils

Cod.—With offerings still light, the market here remained quiet. According to some, the indications point to a continuation of more or less scarcity during the remainder of the season. Quotations were largely nominal.

Menhaden.—Refined oil selling schedules were held at recently advanced levels, the tone of the market being firm. A further increase was noted in the volume of inquiries received from local and outside consumers, though buyers did not show much disposition to anticipate to any material extent. Crude was quiet in the South but unsold supplies are light and the market retained a firm tone.

Sardine.—Demand showed an improvement but aside from this the refined situation lacked new features, the market being firm at the recent advance. The crude market on the coast continued to be reported as firm.

Sperm.—A firm tone prevailed and quotations were held at previous levels. There was a steady movement into local and other consuming channels.

Markets at Other Centers

San Francisco, Dec. 1.—Marketing operations remained quiet in fish oils on the Pacific Coast last week. During the early part of the week three large-sized canning and reduction plants, adjacent to each other in the Monterey section caught fire and were destroyed, which for a time lent a little bullishness to the market.

As a result of these features producers were not especially interested here in bids in hand of 37½ cents per gallon for California oil and were not often taking the trouble of making counter offers. In Southern California the going offering figure was 39 cents, but because the industry had been so upset with strikes in that section there was no visible incentive on the part of the producers to do business, especially as some substantial commitments have already been made.

The strike affecting Southern California operations was said to be near a close today, with the fishermen expected to go out immediately now that the full moon period is about over. Last week the cannery and reduction plant workers ironed out their difficulties with the operators, but the fishers have been holding off. The way is said to be clear now, however, and this will mark the opening of the month-old season, no fish in commercial quantities having been brought in as yet. As a result, Southern California operators go into December with a 4,000-ton quota of fish apiece, having a carry-over of 2,000 tons from November—provided the Fish & Game Commission, meeting tomorrow, makes the usual monthly grant of 2,000 tons per plant for December. It is expected that the Commission will do this. There are 20 plants ready to operate in the Southland.

The large quotas of 2,000 tons per plant per month for all shore plants in California have not been lived up to by the reduction factories this season. At least the 36 plants in Northern California have not been able to get in the allotted 72,000 tons each month. As a result each month has seen a "carry-over" of a few thousand tons into the coming month, and how there will be at least a 50,000 ton carry-over into December in Northern California alone. State regulations require that carry-overs cannot exist longer than 30 days; hence what October carry-overs remained yesterday are cancelled today and the industry will now run on November quotas until used; then December.

Baltimore, Dec. 2.—As far as could be learned, there were no sales of menhaden fish oil during the last week, with stocks in the hands of the fishing companies down the Chesapeake Bay taken up and with some of the producers short on their contracts entered into at the start of the season. The last transaction, two weeks ago, was on a basis of 32½ cents per gallon, but if any oil were available now it could not be obtained at this figure, the ideas of the sellers having been revised upward. The big soapers are out of the market, of course, their limit being considerably under the price given, and, of course, the producers of oil, while not in a position to take on business, would certainly refuse to entertain the top of the soapers. If any oil were to come out, it would probably be absorbed by the refiners, who can find takers among the other users willing to pay more. Reports from down the South Atlantic are to the effect that fishing boats are continuing operations with some measure of success, so that it should be possible to fill out needs with supplies from there. No definite figures on this Southern oil are being given.

Fats and Greases

Grease.—Quotations were generally maintained at the levels prevailing in the previous week but the tone of the market appeared to some to be firmer. There was a fairly active demand for the various grades from local and other buyers.

Lard.—Cash product had an upward trend at times in company with the market for futures in Chicago where speculation was more active. There were reports of an improvement in the foreign inquiry for cash product, and some increase was also noted in the exports. Marketing of hogs continued large. Stocks of lard in Chicago on December 1 were 71,810,795 pounds against 62,335,684 pounds November 1 and 10,890,137 pounds December 1, last year.

Stearin.—The market was firmer with a better inquiry, sales being reported at 9½c. per pound. A slightly higher figure was named in some quarters.

Tallow.—Quieter conditions prevailed much of the time last week. Occasional inquiries were noted but large consumers were disposed to hold off for further developments in the local situation as well as in the markets for other commodities. Offerings were light and to some the tone of the market seemed to be firmer. The last business reported was 7⅝c. for extra, f.o.b. The market for lard futures was firmer, May selling at 8.25c.

Following is a record of the market for tallow futures on the New York Produce Exchange from November 28 to December 4, inclusive:—

	Cents per lb. in tanks— High.	Low.	Close.	Sales. Tanks.
December	...	...	7.60@——	..
January	...	...	7.90@ 8.05	..
February	...	...	8.00 nom.	..
March	8.25	8.25	8.15@ 8.35	1
April	...	...	8.25@——	..
May	8.30	8.30	8.35@ 8.55	1
Total sales				2

Markets at Other Centers

Chicago, Dec. 4.—The cash lard trade has been a little brisker of late, although it has been of a slightly irregular nature. The shipping trade appears to be a little more active and in keeping with the activity in the futures market, there is a more definite interest.

The range of lard quotations from the opening Saturday, November 28, to the close Friday, December 4, is shown in the following table:—

	Per 100 pounds— Open.	High.	Low.	Close.	Previous Friday.
Cash	$12.37	$12.75	$12.37	$12.57	$12.00
Jan.	12.25	12.90	12.25	12.65	12.17
May	12.87	13.47	12.82	13.22	12.75

TALLOWS (tierces).—Edible, 8½c. to 8¾c. per pound; prime, 7¾c. to 8c.; fancy, 7¾c. to 8.; special, 7⅝c. to 7¾c.; No. 1, 7¼c. to 7½c.

GREASES (tierces).—Choice white, 8½c. to 8⅝c. per pound; A white, 7¾c. to 8c.; B white, 7½c. to 7¾c.; yellow, 10-15, 7¼c. to 7⅜c.; yellow, 16-20, 7c. to 7⅛c.; brown, 6¾c. to 7c.

STEARINS (barrels).—Prime oleo, 9c. to 9¼c. per pound; lard, packages, 12½c. to 12¾c.; A white grease, 7½c. to 7¾c.; yellow grease, 7¼c. to 7½c.; extra oleo stocks, 10½c. to 11½c.; No. 2 stocks, 9½c. to 10½c. (Oleo stocks in car lots.)

Liverpool, Dec. 4.—Quotations per cwt. on refined American lard were as follows:—

	Spot. s.	d.	January. s.	d.	May. s.	d.
Saturday	64	6	58	3	58	3
Monday	66	0	60	0	59	9
Tuesday	66	6	60	6	60	6
Wednesday	67	0	61	3	61	6
Thursday	67	0	60	0	60	6
Friday	67	0	60	3	60	3

Liverpool, Dec. 4.—Quotations per cwt. on tallow were as follows:—

	Choice. s.	d.	Fine, good mixed. s.	d.
Saturday	27	3	26	9
Monday	27	3	26	9
Tuesday	28	0	26	9
Wednesday	28	0	27	0
Thursday	28	0	27	0
Friday	28	0	27	0

Fatty Acids

Red Oil.—The market retained a firm tone in company with basic material. Selling schedules were held at previous levels. There was a fairly active demand from local and outside consumers.

Stearic Acid.—A firm tone continued to prevail in the absence of any change in the position of crude material. Quotations on stearic acid were unchanged. There was a steady movement into local and other consuming channels on contracts and transient orders.

Markets at Other Centers

Chicago, Dec. 4.—A steady demand for fatty acids is reported here. Small buyers are taking fairly good amounts of material in the aggregate. Larger takers are showing no great hesitation in ordering out substantial lots, while prices generally are firm to strong, with here and there some sellers apparently able to obtain a little more money for their products.

FATTY ACIDS.—Corn oil, double distilled, 6¾c. to 7c. per pound, tankcar; 7¼c. to 7½c., barrels, car lots; 7¾c. to 8c., barrels, less than car lots; coconut oil, acidulated, 6½c. to 6¾c. per pound, tankcar, largely nominal; 7c. to 7¼c., barrels, car lots; 7½c. to 7¾c., barrels, less than car lots; cottonseed oil, double distilled, 6¼c. to 6½c. per pound, tankcar; 6¾c. to 7c., barrels, car lots; 7¼c. to 7½c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 3¼c to 3½c.; boiled down soap stock, 65 percent basis, 4¼c. to 4½c.; cottonseed foots, 5¢ percent basis, 2¼c. to 2¼c.

STEARIC ACID.—Single press, distilled, 10½c. to 11½c. per pound; double press, 11c. to 12c.; triple press, 13¾c. to 14¾c.

RED OILS.—Distilled or saponified, drums, 10c. to 11c. per pound; barrels, 10½c. to 11½c.

Waxes

Bees.—The market was strong. Refiners were faced with a high cost of crude and hence their views on values were strongly maintained and the quotation most often met was 31½c. to 32c. per pound on refined yellow. However, there were spot stocks being sold into consumption on the basis of 29½c. to 30c. per pound. White pure bleached wax was most often quoted at 38c. per pound minimum but here again there were some who were shading that figure, naming 36c. minimum. Crude wax remained high in cost and was without sign of easing.

Candelilla.—Prices failed to sag further but the market seemed somewhat on the easy side and conditions appeared to favor buyers more than they did sellers. Stocks were said to be ample to meet the present call.

Carnauba.—Much more active demand for futures developed last week. The call came in from a broad section of the consuming industries of this country and the result was a substantial business booked to come forward from stocks of new crop wax at the source. Spot prices tended to become firmer as the result of the improvement in business and throughout the past week quotations were firmly maintained. However, some felt that spot values were too close to replacement costs.

Japan.—The range widened to 9c. to 9½c. per pound and there were some not disposed to accept orders at much under the outside figure. Shipment prices were much firmer and better maintained at the source.

Current prices on animal, vegetable, and fish oils (under oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

SUN BLEACHED
Beehive Brand BEESWAX • Finest Quality • Guaranteed Pure
WILL & BAUMER CANDLE CO., INC.
Dept. E 1 Syracuse, N. Y.
Established 1855
Spermaceti Red Oil Glycerine
Ceresine Stearic Acid
WARRANTED PURE BEES WAX

KOSTER KEUNEN BEESWAX
IMPORT Established 1931 EXPORT
Inspect our sunbleachery and our stock of over half a million pounds
SAYVILLE, N. Y.— about 50 miles from New York City

Teaseed Adulteration of Olive Oil Is Attacked

Action has already been taken and further action is planned for the near future with the view of bringing to a halt or at least materially curtailing the sale in the markets of this country of olive oil that has been adulterated with teaseed oil that sells at less than half the price of pure olive oil. The adulteration is effected after the olive oil is received in American ports from Europe and the practice has grown to such an extent among unscrupulous dealers as to result in serious financial losses to reputable firms that have been engaged in the olive oil trade for many years.

Last week the aid of Dr. John L. Rice, Commissioner of Health of the City of New York, was sought by the Merchants' Association of New York in an effort to start a local campaign against the sale of adulterated olive oil in this city. It is hoped by members of the olive oil trade that similar action will be taken by trade and civic bodies in other large cities of the country. The merchants' association has also urged the Department of Justice at Washington to undertake criminal action against adulterators of olive oil in the belief that this course would prove a more effective deterrent than damage or libel actions, such as have been resorted to in the past, by the Food and Drug Administration.

The Olive Oil Association of America, with headquarters in this city, is planning to send a delegation of members to Washington if its efforts are successful in bringing about a conference of government officials and trade members to discuss ways of combating the growing practice of adulterating olive oil and selling it as the pure product.

The adulteration of olive oil with teaseed oil is an easy matter and for a considerable period detection of the presence of the teaseed adulterant in olive oil was difficult as the properties of the two oils are similar. The Department of Agriculture, however, has developed a chemical analysis which quickly reveals the presence of teaseed oil in olive oil and as a result of this, there have been numerous seizures of adulterated olive oil in recent months in various parts of the country. Chemists for the oil trade have also developed satisfactory methods of detecting adulteration with teaseed oil.

Exports of teaseed oil from China to the United States increased from 3,411 metric quintals in 1934 to 17,272 quintals in 1935. During the first eight months of this year these exports amounted to 17,836 quintals.

Oils Freights Revised

WASHINGTON, Dec. 3, 1936.

New rates on fish oils and sea-animal oils, not edible or medicinal cod-liver oil, from Eastern seaports to Cincinnati, have been authorized by the Interstate Commerce Commission.

The rates, which are subject to certain conditions, apply on tankcar shipments, and are as follows:—Over all-rail standard routes, from Baltimore and Hampton Road ports, the same as concurrently in effect on like traffic from New Orleans to Cincinnati; from Philadelphia, 1 cent over the rate from Baltimore; from New York and Boston, 3 cents over the rate from Baltimore. Over all-rail differential routes from Boston, a rate of 1 cent under the rate from Boston over all-rail standard routes is authorized. It is also provided that higher rates may be maintained to intermediate points.

Trade News Briefs

Helena Rubinstein, Inc., stockholders have approved the recently announced reorganization plan.

Weaver Tankage Company's nitrogenous material plant, Norfolk, Va., was damaged by fire December 1.

South Penn Oil Company stockholders have approved a reduction in the capital stock from 1,200,000 shares of $25 par to 1,000,000 shares.

University of Texas, owning more than two million acres of land, has received $21,500,000 from oil and gas royalties up to September 1, 1935.

Oil-field brines disposal in the Arkansas river drainage area in western Kansas is discussed in a Bureau of Mines report of investigations, No. 3318. A copy of the report may be obtained free from the bureaus section of publications, Washington.

Asiatic Petroleum Corporation reports the completion of the merger, effective October 31, into the Asiatic Petroleum Company, Ltd., of Delaware, and pursuant to the merger agreement, the name was then changed to the Asiatic Petroleum Corporation.

Pan American Foreign Corporation, 99 percent owned by the Standard Oil Company of New Jersey, has called a special meeting of stockholders for December 15 to act on a plan of liquidation and dissolution as a means of eliminating duplicate taxation under the revenue act of 1936.

Indian Territory Illuminating Oil Company, the Gypsy Oil Company, and the Texas Oil Company have leased a total of 3,800,000 acres of land in Cheyenne, Kit Carson, Kiowa, Lincoln, Washington, Yuma, Growers, Bent, and Otero counties, Colorado, and there will be some tests shortly.

Alabama Cotton Oil Company, Huntsville, Ala., will probably abandon operations as soon as the cottonseed on hand has been sold or moved out, according to R. G. Riley, treasurer. The wage increase asked by striking employees is impossible under existing competitive conditions, Mr. Riley said.

Superphosphate storage building, said to be the largest in the British fertilizer industry, was completed November 12 at Avonmouth in the port of Bristol. The building has a storage capacity of 29,000 tons. It is connected with the plant of National Fertilizers, Ltd., which has a production capacity of 75,000 tons of superphosphate a year.

Transwestern Oil Company, of Oklahoma, in filing a registration statement, in Washington, said it would buy, about December 17, from the trustees of the Thomas B. Slick Trust Estates and Berenice Slick Urschel, their interests in certain developed and prospective oil and gas properties, the proposed purchase price being $9,500,000.

William L. Schwalb, secretary for the Hilo Varnish Corporation, Brooklyn, N. Y., was honored recently at a testimonial dinner at the Downtown Athletic Club, given by a group of raw material men and fellow plant managers, in commemoration of Mr. Schwalb's twenty-five years of service with the Hilo corporation. James Lundy, of the R. J. Brown Petroleum Corporation, was toastmaster.

Frank Howard, president of the Standard Oil Development Company, spoke on "How Research May Affect Future Relationships of Petroleum and Coal" at a dinner in Pittsburgh December 3, given by Dr. Thomas S. Baker, founder of the coal research laboratory at Carnegie Institute of Technology, in honor of Myron C. Taylor, chairman of the United States Steel Corporation and one of the original sponsors of the laboratory.

Hospital Drive Chairmen

The United Hospital Campaign Committee, representing all branches of industry and commerce in New York aiding the appeal of the voluntary hospitals, announces acceptances for the following division chairmanships:—

Chemicals and paints, Charles E. Adams, president of the Air Reduction Sales Company, with William H. Zinsser, president of William H. Zinsser & Co.

Drugs and pharmaceuticals, Earl R. McClintock, of Sterling Products, Inc.

Petroleum, Frederick S. Fales, vice-president of the Socony-Vacuum Oil Company.

Campaign headquarters for all the divisions are at 57 William street, this city.

Dividends Reported Since Last Publication

	Stock.	Class.	Amount.	Payable.	Of record.
American Can Co.	Pfd.	Q.	$1.75	Jan. 2	Dec. 18
American Can Co.	Pfd.	Ext.	$1.00	Jan. 2	Dec. 18
American Metals Co.	Pfd.	..	$11.50	.....	.....
Argo Oil Co.	Com.	..	10c.	Dec. 19	Dec. 5
Argo Oil Co.	Com.	Ext.	20c.	Dec. 19	Dec. 5
Bourjois, Inc.	Com.	..	75c.	Dec. 11	Dec. 7
Canada Malting Co.	Com.	Q.	37½c.	Dec. 15	Nov. 30
Canada Malting Co.	Com.	Ext.	50c.	Dec. 15	Nov. 30
Celluloid Corp.	Pfd.	..	$2.00	Dec. 19	Dec. 5
Certain-teed Products Corp.	Pfd.	Q.	$1.50	Jan. 1	Dec. 28
Climax Molybdenum Co.	.....	Q.	20c.	Dec. 24	Dec. 17
Colgate-Palmolive-Peet Co.	Com.	Ext.	25c.	Dec. 24	Dec. 5
Colgate-Palmolive-Peet Co.	Pfd.	Q.	$1.50	Jan. 2	Dec. 5
Congoleum-Nairn, Inc.	Com.	Q.	40c.	Dec. 15	Dec. 1
Congoleum-Nairn, Inc.	Com.	Ext.	25c.	Dec. 15	Dec. 1
Cook Paint & Varnish Co.	Com.	Ext.	40c.	Dec. 19	Dec. 10
Corn Products Refining Co.	Com.	Q.	75c.	Dec. 21	Dec. 7
Corn Products Refining Co.	Com.	Ext.	75c.	Dec. 21	Dec. 7
Corn Products Refining Co.	Pfd.	Q.	$1.75	Dec. 21	Dec. 7
Crown Central Petroleum Corp.	Com.	..	6c.	Dec. 21	Dec. 1
Eastman Kodak Co.	Com.	Q.	$1.25	Jan. 2	Dec. 5
Eastman Kodak Co.	Com.	Ext.	25c.	Jan. 2	Dec. 5
Eastman Kodak Co.	Pfd.	Q.	$1.50	Jan. 2	Dec. 5
General Amer. Transportation Corp.	Com.	..	$1.00	Dec. 21	Nov. 28
General Amer. Transportation Corp.	Com.	Ext.	25c.	Dec. 21	Nov. 28
General Fire Extinguisher Co.	Com.	Q.	20c.	Dec. 10	Nov. 30
General Metals Corp.	Com.	Ext.	50c.	Dec. 15	Nov. 30
General Refractories Co.	Com.	..	$1.25	Dec. 15	Nov. 28
Greene Cananea Copper Co.	.....	Q.	75c.	Dec. 14	Dec. 7
Gulf Oil Co.	.....	SD	100%	Dec. 21	Dec. 10
Hercules Powder Co.	Com.	..	$2.00	Dec. 21	Dec. 10
Hudson Bay Mining & Smelting Co.	Com.	..	50c.	Dec. 21	Dec. 5
Katz Drug Co.	Com.	..	25c.	Dec. 15	Nov. 28
Life Savers Corp.	.....	Q.	40c.	Dec. 14	Dec. 5
Life Savers Corp.	.....	Spl.	60c.	Dec. 14	Dec. 5
Lindsay Light & Chemical Co.	Pfd.	Q.	17½c.	Dec. 21	Dec. 5
Mathieson Alkali Works.	Com.	Q.	37½c.	Dec. 23	Dec. 5
Mountain Producers Corp.	.....	S.	30c.	Dec. 21	Dec. 5
National Lead Co.	Com.	Q.	12½c.	Dec. 21	Dec. 4
National Lead Co.	Com.	Ext.	37½c.	Dec. 21	Dec. 4
National Lead Co.	B pfd.	Q.	$1.50	Feb. 1	Jan. 18
National Gypsum Co.	A com.	SD	$2.50	Dec. 21	Dec. 5
National Gypsum Co.	B com.	SD	$2.50	Dec. 21	Dec. 5
Noranda Mines, Ltd.	Com.	..	$1.75	Dec. 22	Dec. 1
Pacific Tin Corp.	.....	Ext.	60c.	Dec. 15	Dec. 5
Pan-American Pet. & Transport Co.	Com.	..	60c.	Dec. 21	Dec. 7
Penick & Ford, Ltd.	Com.	Q.	75c.	Dec. 15	Dec. 1
Pennsylvania Glass Sand Corp.	Com.	..	50c.	Dec. 15	Dec. 5
Petroleum & Trading Corp.	Pfd.	..	90c.	Dec. 15	Dec. 8
Pratt & Lambert Co.	Com.	Q.	70c.	Dec. 21	Dec. 4
Pyrene Mfg. Co.	Com.	..	50c.	Dec. 15	Dec. 1
Revere Copper & Brass, Inc.	7% pfd.	..	$3.50	Dec. 16	Dec. 5
Revere Copper & Brass, Inc.	5¼% pfd.	..	$2.62½	Dec. 16	Dec. 5
Ruberoid Co.	Com.	..	25c.	Dec. 21	Dec. 7
Ruberoid Co.	Com.	Spl.	$3.00	Dec. 21	Dec. 7
Shell Union Oil Corp.	Com.	..	25c.	Dec. 15	Dec. 4
Shell Union Oil Corp.	Pfd.	Sr.	$26.12½	Dec. 15	Dec. 4
Signal Oil & Gas Co.	A com.	Ext.	$1.00	Dec. 15	Dec. 10
Signal Oil & Gas Co.	B com.	Ext.	$1.00	Dec. 15	Dec. 10
Siscoe Gold Mines, Ltd.	Com.	Q.	5c.	Dec. 15	Nov. 30
South Penn Oil Co.	.....	Q.	37½c.	Dec. 29	Dec. 15
South Penn Oil Co.	.....	Ext.	52½c.	Dec. 29	Dec. 15
Standard Brands, Inc.	Com.	Q.	20c.	Jan. 2	Dec. 4
Standard Brands, Inc.	Pfd.	Q.	$1.75	Jan. 2	Dec. 4
Standard Silver Lead Mining Co.	Com.	..	1c.	Dec. 24	Nov. 30
Sunray Oil Corp.	Pfd.	Q.	68¾c.	Dec. 28	Dec. 8
Union Carbide & Carbon Corp.	.....	..	80c.	Jan. 1	Dec. 4
U. S. Graphite Co.	Com.	Q.	50c.	Dec. 15	Dec. 1
U. S. Graphite Co.	Com.	Ext.	$1.00	Dec. 15	Dec. 1
U. S. Gypsum Co.	Pfd.	Q.	$1.75	Jan. 2	Dec. 4
United Molasses Co.	Com.	..	10%	.....	.....
Vick Financial Corp.	Com.	..	35c.	Dec. 8	Nov. 28
Vulcan Detinning Co.	Com.	Spl.	$4.00	Dec. 21	Dec. 10
Vulcan Detinning Co.	Pfd.	Q.	$1.75	Jan. 20	Dec. 10
Wesson Oil & Snowdrift Co.	Com.	Q.	12½c.	Jan. 2	Dec. 15
Wesson Oil & Snowdrift Co.	Com.	Ext.	50c.	Jan. 2	Dec. 15
Worcester Salt Co.	Com.	..	50c.	Dec. 15	Dec. 5
Worcester Salt Co.	Com.	Ext.	50c.	Dec. 15	Dec. 5
Yukon Gold Co.	Com.	..	5c.	Dec. 21	Dec. 5

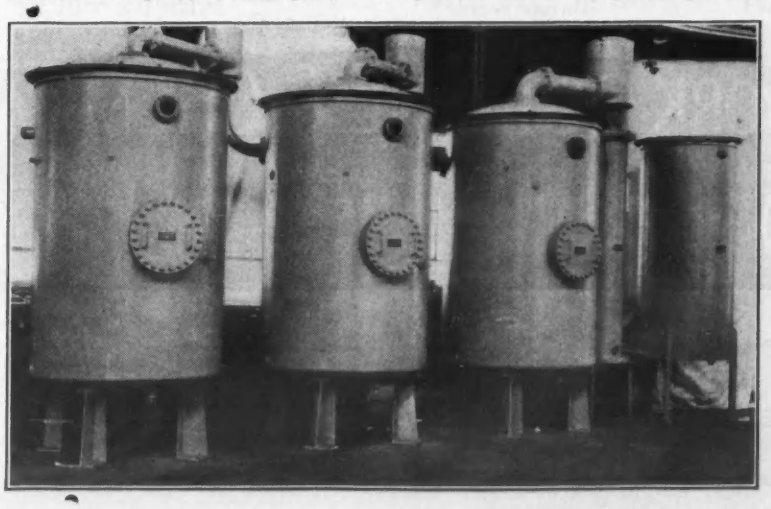
Corporation Earnings Recently Reported

	Period.	1936 Net income.	1936 Per share.	1935 Net income.	1935 Per share.
Brillo Mfg. Co.	9 mos.	$164,534	$0.87	$91,869	$0.37
Diamond Match Co.	9 mos.	1,520,531	1.21	1,697,817	1.46
Dominion Glass Co.	Yr. 9-30	410,488	5.38	412,245	5.42
Economical-Cunningham Drug Stores, Inc.	Yr. 9-30	568,573	2.85	421,933	2.06
Filtrol Co. (Cal.)	8 mos.	7[illegible]	...	.....	...
Healey Petroleum Corp.	9 mos.	295,722	3.46	.....	...
Hecla Mining Co.	9 mos.	517,657	.52	308,423	.31
Phillips Petroleum Co.	9 mos.	12,834,905	3.08	9,850,427	2.37
United Molasses Co.	Yr. 9-30	*78,044	...	*718,200	...
Universal Consolidated Oil Co.	10 mos.	201,639	1.01	.....	...
Vick Chemical Co.	9 mos.	808,171	1.15	840,104	1.20

* Pounds.

Stokes Builds Still of 400-Gallon Capacity

Among the several installations of large multiple effect water stills recently designed and built by the F. J. Stokes Machine Company, Philadelphia, is that of the still shown in the illustration herewith and ready for shipment to a large pharmaceutical manufacturer.



This still, the company explains, has a capacity of 400 gallons per hour and the distillate tests well within the U.S.P. requirements. To maintain this standard the still is equipped with special centrifugal baffles and all surfaces in contact with the distillate are lined with pure block tin. Specifications on another similar still required an hourly capacity of 500 gallons; the distillate to contain less than one part of chlorine in 10,000,000, while yet another was designed to deliver 750 gallons per hour with less than three to five pounds of solid matter per million.

One of these stills—designed to operate on a steam pressure of 185 pounds—required a steam chest built of the thickest piece of copper plate ever rolled in Philadelphia.

Balto. P.V.L.A. Discusses National Meeting's Value

Discussion and analysis of the proceedings of the recent annual convention of the National Paint, Varnish and Lacquer Association in Chicago occupied the main part of the November meeting of the Baltimore Paint, Varnish and Lacquer Association.

C. Burch Athey, president of the Baltimore association, and a delegate to the national convention, spoke of the address of Ernest T. Trigg in which the latter stressed the importance of paint manufacturers taking care of their employees by setting up a fair wage scale with fair working hours. He stated that he thought this a very important suggestion for all manufacturers to heed. He also called attention to the large number of Baltimore members at the national meeting, thirteen being present.

Morton Goldsmith, of the Hirshberg Paint Company, spoke especially of the address of Senator Wright Patman on the price-discrimination act and its effect on business. He said he felt, after the senator's address, that most of the members were favorable to its provisions, and advanced his own opinion that the act would mean a revision of price schedules.

H. Braith Davis, of the H. B. Davis Company, reviewed the social side of the convention; Herman Shuger, of the Baltimore Paint & Color Company, who is also president of the Baltimore Paint and Varnish Production Club, reviewed the happenings at the production sessions; and Leon S. Hanline, of Hanline Brothers, emphasized the values of Dr. Harry A. Gardner's address.

A general discussion of the act followed. Dugdale Turner, a guest, reviewed the legal aspects of the measure and its relation to interstate and intrastate business.

At the request of President Athey, Frank A. Warner, chairman of the committee which is arranging a Christmas party, stated that the members of the Paint Production Club and those of the Paint Salesmen's Club would be invited to attend this event, which will be held in the Elks' Club on December 18. Special observances are being planned.

Resinous Products Co. Plastic Receives Award

In the awards for decorative design recently announced by the first annual Modern Plastics Competition, the second prize was won by the home of a New York architect, in which outstanding use was made of "Formica," in tables, shelves, buffets, and wall panels. The light colored and mottled panels made by the Formica Insulation Company were produced from "Uformite," a molding resin of the urea formaldehyde type, supplied by the Resinous Products & Chemical Company, Philadelphia. Both companies participated in the award.

The Resinous company has manufactured urea formaldehyde resins for more than a decade. An important field of application of these products is the laminating industry. Recently, under the name of "Uformite F-224," the company announced a new resin belonging to this class, particularly adapted for use in the paint, varnish and lacquer industries.

Hellige Offers New Potentiometer

Hellige, Inc., laboratory and bacteriological supplies, Long Island City, N. Y., is putting on the market a new instrument, the "Electrometric pH-Meter" of general application for the determination of hydrogen ion concentrations with all types of electrode systems. Readings are made directly in pH values. The instrument consists essentially of a direct-reading pH potentiometer combined with a vacuum-tube circuit for indicating the null point. By means of this vacuum-tube null indicator, the company states, the instrument measures glass electrode potentials with the same ease, speed and precision as when using a hydrogen, quinhydrone, or antimony-electrode, or any other electrode system capable of indicating hydrogen ion concentrations.

Linseed Ass'n to Meet

The sixty-ninth annual dinner and business meeting of the Linseed Association of New York will be held in the evening, December 9, in the St. Moritz hotel, this city.

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NYQ

Drugs, Fine Chemicals

Menthol Advanced in Firm Market—Cocoa Butter Up Sharply as Production Costs Rise—Seasonal Items Move in Large Volume—Glycerin Scarce and Strong

Demand for seasonal materials made up the bulk of active trading last week in the market for drugs and fine chemicals. Other items moved somewhat less actively than they had in the recent past. It was thought that with inventory period almost at hand, buyers were disposed to keep stocks down as much as possible for the purpose of making as good a balance sheet as possible. Hence, in many items, orders were restricted to quantities sufficient to cover immediate and pressing requirements. The basic position of the market continued to be firm.

Production in the factories was being maintained at the volume built up since the manufacturers broadened their operations in order to create larger inventories of unsold stocks. These inventories had dwindled steadily during the depression period when for financial reasons production was reduced substantially. The reserves have been far too low and there seemed to have developed a broad trend toward a restoration of normal holdings.

Menthol was higher in price, reflecting improvement in the Japanese market and a lessening of local competition. Cocoa butter was up sharply because of the cost of production have risen substantially, and also because of good demand. Glycerin was strong and scarce; unsold stocks were at low ebb and creation of normal reserves constituted one of the most difficult and important problems facing the producers. Quicksilver was in small demand, notwithstanding which prices held strong because stocks were extremely limited in size. Quinine was active and very firm.

Acid, Acetylsalicylic.—Demand was steady to firm and in keeping with normal expectations. Between now and the end of the year some letdown in sales may result from the fact that inventories will be cast up. However, the market was very firm.

Acid, Benzoic.—Trading was fair. However, in view of the fact that inventory period spreads ahead, new business for delivery over the balance of this year was expected to be somewhat smaller. Outlook for 1937 was said to be encouraging.

Acid, Boric.—Present prices on the USP acid have been extended for contract purposes to cover deliveries over the first six months of next year. The market had proven to be quite stable of late and full evidence of that fact was found in the extension of present prices.

Acid, Lactic.—Somewhat less active demand was reported. The slower request was said to be in line with expectations as the year draws to an end and considerations of inventory taking tend to make buyers reserved in buying prompt shipments. Prices were firm.

Agar Agar.—Business was somewhat slow. Most orders called for comparatively limited quantities of the material and on the whole, volume was not entirely satisfactory. However, prices retained a firm tone because of the total absence of weakness in the primary market. The strength noted in top quality material in Japan was worthy of special attention, it was said.

Alcohol.—With the exception of meeting demand for the antifreeze formulas, sellers of alcohol used industrially were disposed to expect a somewhat less active market over the balance of the year. It was the season when orders were likely to fall off. Buyers had an eye to keeping inventories as low as possible for the purpose of making a favorable showing in the annual balance sheet and hence only those requirements that could not be put off until after the turn of the year were expected to reach the producers. Pricewise, the market as a whole goes into the end of the year period in fairly good shape, although prices were generally counted too low if the profit motive of business was to be given its proper consideration. Statistics on industrial and ethyl alcohol, covering production, withdrawals, removals, transfers and month-end warehouse stocks for the month of October, according to statistics supplied by the Alcohol Tax Unit of the Bureau of Internal Revenue, Treasury Department, and based on the operations of thirty-one plants producing ethyl alcohol, and thirty-eight plants producing denatured alcohol, were as follows:

Ethyl Alcohol

	Proof gallons.
Production	22,080,193
Withdrawal, tax paid	2,951,870
For hospital, scientific and educational use	141,631
For United States and subdivisions	32,580
For export	7,137
For denaturation	26,257,972
Transfered to vinegar plants	39,148
Warehouse losses	...
Stocks October 31	18,842,499

Denatured Alcohol

	Wine gallons—Completely.	Specially.
Production	7,895,959	7,158,062
*Removed	8,852,331	7,250,532
Stocks October 31	1,239,532	442,292

* Including amount shipped to bonded dealers.

According to the reports from sixty-five bonded dealers, 386,417 wine gallons of specially denatured alcohol were received from the naturing plants in October. There were 368,649 wine gallons disposed of to bonded manufacturers. Shipments between dealers totaled 8,624 wine gallons. Stocks on hand at the end of the month totaled 350,214 wine gallons. The above figures are subject to change upon audit of reports rendered to the department.

Aloin.—With raw material showing substantial strength because of present prices in the primary market, this item could be little less than very firm in price. Competition was negligible. Some talked of higher prices to come.

Ammonia Carbonate.—Seasonal demand has been very good and it was still well maintained on the spot at the close of last week. Prices proved to be very steady. The outlook for business next year was good, it was said.

Ammonia Chloride.—Business was brisk and active, resulting in a favorable volume of sales. The call was along seasonal lines and conditions pointed to a maintenance of good request well into the coming year. Prices continued to be firm.

Bismuth Metal and Salts.—Interest in this group was somewhat less active. A moderate slowing down in request was noted and for the most part demand was expected to be routine over the balance of the year. However, because of the firmness governing the metal market price, quotations on salts were steady and well maintained last week.

Caffeine.—A demand in line with seasonal requirements in most years prevailed in the market for this item. The movement of citrated material was especially satisfactory. Pricewise, the market proved to be very steady.

Camphor.—Sales were very good. Bad weather in many parts of the country has increased consumption of the material and the effect of said condition was felt alike by sellers of natural and synthetic camphor. Domestic and imported synthetic had a very good market at all times and the undertone was declared to be very steady so far as prices were concerned.

Castor Oil.—With the end of the year close at hand, demand for prompt ship-

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Price Changes

Prices were changed during the past week as follows:—

Advanced

Cocoa butter, 6¾c. per lb.
Menthol, 10c. per lb.
Silver bullion, London, ⅛ pence per oz.
New York, ⅝c. per oz.
nitrate, ½c. per oz.

Reduced

None

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
180.4	**180.1**	**179.8**	**186.8**

Market news that may have developed after this report was sent to press will be found on page 4.

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PARA FORMALDEHYDE
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Salicylic Acid
Sodium Salicylate
Methyl Salicylate
Minor Salicylates
Guaiacol
Creosote
Guaiacol Carbonate
Creosote Carbonate
Potassium Guaiacol Sulfonate
Benzyl Chloride
Benzoate of Soda
Benzaldehyde
Benzoic Acid
Silver Proteins
Bromides
Glycerophosphates
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Base or Sulphate

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Works, Newark, N. J.; Established 1857

ment oil on new orders has slowed down as buyers concerned themselves with inventories and tended to keep stocks down as much as possible. However, there have been indications of good business to come after the turn of the year. Prices remained steady.

CHICAGO, Dec. 3.—Castor oil business has held up along rather satisfactory lines, and shows no special market movement of importance at this time. There is a fairly broad interest in the product from buyers. Ruling prices are:—No. 1, drums, car lots, 10⅞c. per pound; drums, less than car lots, 12c.; barrels, car lots, 11⅛c.; barrels, less than car lots, 12⅛c.; five-gallon tins, 13¼c.; one-gallon tins, 14¼c.; No. 3, drums, car lots, 10⅜c.; drums, less than car lots, 11½c.; barrels, car lots, 10⅝c.; barrels, less than car lots, 11¾c.

Cocoa Butter.—An exceedingly sharp advance in prices put quotations to the basis of 28c. per pound in car lots. The range as to quantity and seller was to 30c. Cost of production plus good demand was behind the movement that established the highest price to prevail for many years.

Codeine Salts.—The movement was active and highly seasonal in character. Deliveries were far more prompt than they were a year ago, because stocks of raw material in the hands of the makers were adequate to meet their needs. Prices remained firm.

Codliver Oil.—Spot business was fair in size and exceptionally steady throughout the past week. Prices held very firm. Stocks were meeting the requirements of buyers, but no important surplus existed. The Norwegian bank fisheries, poor in August, gave good results in September. At Finnmark the winter cod appeared, and small catches could be reported along the whole coast. The September supply of cod livers was too small to have any effect on the oil market. Norwegian stocks of medicinal and poultry oils were the lowest in twenty years. Industrial oil stocks are believed to be larger than in previous months, but this increase may be because the small speculative producers have been encouraged by high prices to dispose of their holdings. Prices of medicinal and poultry oils in the Norwegian market showed a heavy rise in September, with a further increase expected in October. Exporters say that prices in Lofoten have risen higher than export prices, and that margin of profit has almost been wiped out. Industrial oils, on the other hand, were weaker. September is one of the heaviest export months of the year. Exports of medicinal oil rose to 385,680 gallons (296,970 gallons in September, 1935), of pale codliver oil to 328,650 gallons (160,500 gallons), of light brown industrial codliver oil to 311,730 gallons (226,890 gallons), and of brown industrial codliver oil to 8,340 gallons (12,180 gallons).

Creosote.—All forms of this article were in active and very steady consuming demand. The season of largest consumption was well under way and conditions pointed to the sale of substantial quantities from now to Spring. Prices were generally very steady.

Formaldehyde.—Exports in Septem-

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ber totaled 147,500 pounds and for the first nine months of the year they were 997,000 pounds. The market was very steady on the spot last week. The recent readjustment of prices has not interfered at all with the continued movement of substantial quantities into consuming channels. Makers of synthetic resins were considering their requirements of 1937.

Glycerin.—Official quotations of refiners on chemically pure material were unchanged. They applied on contracts, and on orders coming from regular customers of long standing. They meant nothing so far as new buyers were concerned. Those without established standing with the refiners were compelled to get glycerin in the resale market and they were compelled to pay 28c. to 30c. per pound in cans, as compared with the refiners' quotations of 23½c. to 24½c. per pound for less than car lot quantities packed in cans. However, regular buyers from the refiners have been able to place contracts for delivery in the first part of 1937 at the prevailing and official schedule. The entire glycerin market was as strong as ever. No reserves were held by refiners, though they now hope to accumulate unsold stocks, albeit the accumulation will be slow. Japanese glycerin production, estimated at about 665 metric tons monthly by the 12 largest glycerin makers, according to trade reports, is said to be in a position to meet domestic requirements and to have an exportable surplus next year. It is reported that Japan's annual glycerin demand is around 8,000 metric tons, of which 43 percent is dynamite glycerin, 22 percent glycerin for medical uses, 13 percent for cosmetic purposes, and 22 percent for tobacco and other industrial uses.

CHICAGO, Dec. 3.—Leading sellers of c.p. and other grades of glycerin are understood to have closed contracts for the first half of next year covering a considerable volume of material. Thus, it is expected that some of the fear of a shortage in the minds of buyers may be relaxed and the market may be placed in a nearer to normal position. Ruling prices are:—C.p., drums, car lots, 21½c. per pound; drums, less than car lots, 22c.; cans, less than car lots, 22½c. to 24½c., according to quantity; dynamite, car lots, 21½c.

Menthol.—Quotations were advanced to the basis of $3.10 to $3.20 per pound, once again emphasizing the recovery in the primary market and the absence of competition that on spot would accompany the presence of any substantial stock of unsold merchandise. Demand was moderate but it was somewhat larger and a deal more steady than it had been.

Mercurials. — With raw material showing not the slightest sign of weakness, mainly because of the absence of any substantial quantity of unsold metal on spot, mercurials were exceedingly firm and full prices were being obtained in a market notable for a very steady consuming demand for the mercurial group.

Methanol.—The market was firm and reasonably active. Production costs were fairly high so far as natural material was concerned, and consumption of synthetic was said to be up to normal volume. Monthly statistics on production of crude and synthetic methanol, representing practically the entire output of these commodities in the United States, have been released by Director William L. Austin, Bureau of the Census, Department of Commerce. The data for the months of 1936 and 1935, include production figures for thirty-three manufacturers. Wood carbonized amounted to 48.825 cords for January; 47,253 cords for February, 1936; 45,384 cords for March, 1936; 45,384 cords for March; 51.323 cords for April; 41,413 cords for June; 40,848 cords for July; 45,348 cords for August, 43,631 cords for September, and 51,897 cords for October.

Production

	Gallons			
	1936.		1935.	
	Crude.*	Synthetic.	Crude.*	Synthetic.
Jan. ...	494,081	1,418,863	386,477	1,303,171
Feb. ...	494,081	1,540,171	363,781	1,126,799
Mar. ...	473,067	1,631,832	411,326	1,307,230
Apr. ...	428,313	1,692,921	450,941	1,167,262
June ...	413,930	1,863,406	385,472	1,198,186
July ...	374,110	1,950,825	379,309	1,278,505
Aug. ...	447,499	2,309,377	403,020	1,389,812
Sept. ...	429,500	2,695,591	405,084	1,539,554
Oct. ...	511,541	3,278,052	454,233	2,508,978
Totals.	4,494,693	20,136,035	5,048,720	18,046,929

* The refined equivalent would be approximately 82 percent of the crude production.

Quaiacol.—Trade was active. Seasonal requirements were rising in keeping with normal experience at this time of the year and from now until Spring, the movement was expected to be maintained at approximately current levels.

(Continued from Page 43)

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	Boiling Point °F.	Lb. per Gal.
Dichlormethane	103.6	11.15
Dichlorethylene—"Di-48"	119.1	10.49
Dichlorethylene—"Di-60"	140.5	10.70
Dichlorethylene—"Di-48-60" (Mixture of Di-48 and Di-60)	119.1	10.61
Chloroform	142.2	12.43
Carbon Tetrachloride	170.1	13.31
Trichlorethylene	188.1	12.20
Trichlorethane (Beta)	236.3	12.04
Tetrachlorethylene (Perchlorethylene)	249.4	13.55
Tetrachlorethane (Acetylene Tetrachloride)	295.3	13.31
Pentachlorethane	323.4	14.00

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(Continued from November 30 issue)

Diethyleneglycol butyl-ether
Diethyleneglycol mono-acetate
Dimethyl phthalate
Dioxan
Ethanol
Ether
Ethyl acetate
Ethyl ether
2-Ethylbutyl acetate
2-Ethylbutanol
Ethylene dichloride
Ethyleneglycol (partially)
Ethylene oxide
Ethyleneglycol butylether
Ethyleneglycol diethyl-ether
Ethyleneglycol ethylether
Ethyleneglycol isoamyl-ether
Ethyleneglycol isobutyl-ether
Ethyleneglycol isopropyl-ether
Ethyleneglycol methyl-ether
Ethyleneglycol propyl-ether
Gasoline
Glycol diacetate
Glycol monoacetate
Glycolether acetate
Hexalin
Hexalin acetate
Hexanol, normal
Hexone
Isobutylethyl ketone
Isopropanol
Isopropyl acetate
Isopropyl ether
Methanol
Methyl acetate
Methylamyl acetate
Methyl carbinol (partially)
Methyl cellosolve
Methylamyl alcohol
Methylcyclohexanol
Methylcyclohexanone
Methyldiphenylcyclo-hexane
Methylhexalin
Methyl-normal-amyl ketone
Naphtha
Octyl acetate
Octyl alcohol
Petroleum spirit
Propylene dichloride
Propylene oxide
Propyleneglycol
Propyleneglycol ethyl-ether
Propyleneglycol iso-propylether
Propyleneglycol methyl-ether
Shale naphtha
Tetraethyleneglycol
Tetraethyleneglycol ethylether
Tetralin
Trichloroethylene
Triethyleneglycol
Triethyleneglycol ethyl-ether
Turpentine
Toluene
Xylene

Ketones

Catalyst Carriers for Hydrogenation of Ketones

Alumina
Asbestos
Bauxite
Carbon
Charcoal
Clay
Clay, burnt
Fireclay
Glass
Kieselguhr
Metal cylinders
Paper cylinders
Petroleum coke
Pumice
Wood cylinders

Catalysts for Hydrogenation of Ketones

Cobalt
Cobalt nitrate
Cobalt oxide
Copper
Iron
Nickel
Nickel nitrate
Nickel oxide
Palladium
Palladium chloride

Catalysts for Manufacture of Ketones

Brass
Cerium oxide
Chromium
Chromium oxide
Cobalt
Copper
Copper oxide
Iron
Iron vanadate
Molybdenum
Monel metal
Nichrome
Nickel
Platinized asbestos
Platinum
Platinum black
Silver
Silver chromate
Steel wool
Thorium oxide
Tin oxide
Uranium oxide
Vanadium
Vanadium oxide
Zirconium

Special Reagents for Tests for Ketones

Alphabenzylalphaphenyl-hydrazin hydrochloride
Dimethyldihydroresorcinol
2:4-Dinitrophenylhydrazin
Diphenylhydrazin hydrochloride, asymmetrical
4:4-Diphenylsemicarbazide
Hydrazins
Orthotolylhydrazin
Parachlorophenylhydrazin
Paranitrophenylhydrazin
Phenylhydrazin
Semicarbazide hydrochloride
Thiosemicarbazide

Krypton

Reagents for Purification of Krypton

Calcium
Magnesium
Potassium
Sodium
Thorium

Reagents for Removing Hydrogen from Krypton

Calcium
Magnesium
Phosphorus pentoxide

Reagents for Removing Nitrogen from Krypton

Magnesium
Phosphorus pentoxide

Reagents for Removing Water Vapor from Krypton

Magnesium
Phosphorus pentoxide

Reagent for Separating Oxygen from Krypton

Hydrogen

Lacquers

Colors Used in Lacquers

Acid dyestuffs
Alizarin
Alizarin cyanin green GX
Alkali earth metal chromates made by heating in an atmosphere containing sulphur dioxide or sulphur trioxide
Alphanaphthylamine
Alphazurin FG
1-Amino-4-anilinoanthraquinone auramine
1-Aminoanthraquinone-6-acylamino compounds condensed with—
(1) Acetyl bromide
(2) Acetyl chloride
(3) Alphanaphthoyl chloride
(4) 1-Aminoanthraquinone-2-carbonyl chloride
(5) 1-Aminoanthraquinone-6-carbonyl chloride
(6) Anisyl chloride
(7) 1:9-Anthraisothiazole-2-carbonyl chloride
(8) 1:9-Anthraisothiazole-4-carbonyl chloride
(9) 1:9-Anthraisothiazole-5-carbonyl chloride
(10) 1:9-Anthraisothiazolamine-2:1′-anthraquinone-6-carbonyl chloride
(11) Anthraquinone-2:1-phenylacridin-4′-carbonyl chloride
(12) Anthraquinone-2:1-phenylacridin-4′-carbonylamino-1″-anthraquinone-6″-carbonyl chloride
(13) Benzoyl bromide
(14) Benzoyl chloride
(15) Benzoyl chloride and homologous series derivatives thereof
(16) Beta-anthraquinonecarbonyl bromide
(17) Beta-anthraquinonecarbonyl chloride
(18) Betanaphthoyl chloride
(19) Carbonyl halides
(20) Chloroacetyl chloride
(21) 1-Chloroanthraquinone-2-carbonyl chloride
(22) 1-Chloroanthraquinone-6-carbonyl chloride
(23) Isophthalic acid chloride
(24) 1-Nitroanthraquinone-2-carbonyl chloride
(25) 1-Nitroanthraquinone-6-carbonyl chloride
(26) Nitrobenzoyl chloride
(27) Orthochlorobenzoyl chloride
(28) Oxalyl chloride
(29) Propionyl chloride
(30) Succinyl chloride
(31) Terephthaloyl chloride
(32) Toluic acid chloride
Anthraquinone-lactam dyes
Anthraquinone-3:3-dicarboxylic acid

(To be continued)

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Drugs, Fine Chemicals

(Continued on page 44)

Quicksilver.—Shipments continued to accumulate on the Pacific Coast because shipment by sea to the East Coast was impossible; the marine strike was still effective in tying up vessels on the Pacific Coast. Stocks of European metal in this market were virtually in the hands of consumers only; no unsold surplus existed. Nothing can be had from Spain, six hundred flasks came from Italy, eighty flasks from Vera Cruz, and one hundred and seventy-three flasks from Port Said, Egypt, but originating in Italy, reached this port last week.

SAN FRANCISCO, Nov. 30.—The status of quicksilver remains unchanged from last week, with supplies of the metal piling up in warehouses awaiting an opportunity of shipment to the eastern market. Sellers report but little inquiry, the consuming trade being fully aware of the problems of shipment confronting the industry. As a rule, metal is in strong hands and the talk of making rail shipments to the east is growing dimmer.

Quinine.—Excellent demand prevailed. The home makers of sulphate and bisulphate reported a seasonal interest that built a satisfactory total volume of sales. Importers also received a substantial demand that was filled promptly on the basis of prices declared to be very firm.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots cost from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices for bullion in New York and London are also provided.

	Per ounce		
		Bullion	
	Nitrate.	New York.	London.
	Cents.	Cents.	Pence.
Saturday	32⅞	45⅛	21 7/16
Monday	32⅞	45⅛	21
Tuesday	33⅜	46	21⅛
Wednesday	33⅜	46⅛	21 3/16
Thursday	33⅜	46	21⅛
Friday	..	45¾	21 3/16

R. H. Watkins, purchasing agent for the J. R. Watkins Company, medicines, cosmetics, and other specialties, Winona, Minn., is engaged to marry Miss Eva Ellen MacLean, in charge of the physical therapy department in the Winona General Hospital.

Caustic Soda, Chlorine Production During 1935

The production of caustic soda in the United States in 1935 amounted to 758,543 tons, compared with 686,983 tons reported for 1933, according to the Bureau of the Census, in a special preliminary release based on data collected in the Biennial Census of Manufactures taken this year. The production of chlorine in 1935, not including chlorine made and consumed by establishments classified in the wood-pulp industry, totaled 319,303 tons, compared with 217,089 tons in the year 1933.

Production of Caustic Soda and Chlorine, 1935-1933

	1935.	1933.
Sodium hydroxide (caustic soda)—		
Number of establishments	29	27
Total production, tons*	758,543	686,983
Made and consumed in same establishments, tons	39,087	42,252
Made for sale—		
Tons	719,456	644,731
Value	$28,104,631	$24,478,385
By process—		
Electrolytic—		
Number of establishments	21	21
Total production, tons	321,563	247,620
Made and consumed in same establishments, tons	34,797	39,114
Made for sale—		
Tons	286,766	208,506
Value	$11,233,704	$8,683,911
Lime-soda—		
Number of establishments	11	9
Total production, tons†	436,980	439,363
Made and consumed in same establishments, tons	4,290	3,138
Made for sale—		
Tons	432,690	436,225
Value	$16,870,927	$15,794,474
Chlorine—		
Number of establishments	21	‡20
Total production, tons‡	319,303	¶217,089
Made and consumed in same establishments, tons	112,144	¶92,526
Made for sale—		
Number of establishments	18	16
Tons	207,159	124,563
Value	$7,944,266	$4,486,325

* Not including sodium hydroxide made and consumed in establishments classified in the wood-pulp and textile industries.
† Includes output of two establishments that produced caustic from natural soda ash.
‡ Revised.
¶ Not including chlorine made and consumed by establishments classified in the wood-pulp industry.

Botanical Drugs, Gums

Shortage in Select Elm Bark Jumps Price—Temporary Scarcity Raises Sumatra Benzoin—Vanilla Bean Advance Extended —Uva Ursi Stocks Exhausted in Spain

The past week in the market for botanical drugs was productive of two very sharp advances in prices. First, select elm bark in bundles made an extraordinary rise in price and, second, Sumatra gum benzoin did likewise. In both instances shortage in stocks was the generative cause. In addition to that, vanilla beans were up sharply on the week, uva ursi was higher on exhaustion of stocks in Spain, and ipecac showed further strength when it sold at an advance. Declines in prices were fractional in most instances and except for the drop in quotations on chamomile flowers, the reductions came in articles of little importance to the medicinal trade.

The situation in elm bark was likely to continue throughout the season as there was a basic shortage in the article at the source. On the other hand, the shortage that was productive of the advance in Sumatra benzoin was likely to prove temporary as plenty of material was to be had at the source and substantial quantities have been bought to come forward. The spot shortage was caused solely by the failure of local dealers to maintain normal reserves. In vanilla beans, underproduction throughout the world has been productive of advancing prices and that cannot be quickly remedied. Increased cultivation was expected to result.

General demand for botanical drug merchandise was excellent. Sales volume has risen substantially and that has brought an undertone of strength. Prices as a whole were upward in tendency and such a movement can well continue to prevail as stocks in general were conservative in size.

Entries of botanicals at the port of New York since the week of January 1, 1936, and detentions of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	2,330	3,883
Caraway	5,708	14,325
Cardamom (cases)	150	1,902
Celery	105	8,593
Coriander	3,271	8,081
Cumin	1,866	6,484
Dill	273	547
Fennel	445	1,504
Mustard	...	22,178
Poppy	...	30,103
Sage leaves (bales)	52	1,823
Sesame	171	180,151
Thyme herb (bales)	257	1,157
Totals	14,628	215,733

Price Changes

Prices were changed during the past week as follows:—

Advanced

Benzoin gum, Sumatra, 19c. per lb.
Celery seed, French, 2c. per lb.
Indian, 1¾c. per lb.
Elm bark, select, 15c. per lb.
Ginger root, African, ½c. per lb.
Ipecac root, 2c. per lb.
Kamala, 3c. per lb.
Pepper, black, Lampong, ¼c. per lb.
Uva ursi leaves, 3c. per lb.
Vanilla beans, Bourbon, 35c. per lb.
Mexican, whole, 50c. per lb.
cuts, 25c. per lb.
South American, 25c. per lb.

Reduced

Chamomile flowers, Hungarian, 1c. per lb.
Caraway seed, ¼c. per lb.
Cumin seed, Algerian, ¼c. per lb.
Indian, ¾c. per lb.
Morocco, ¼c. per lb.
Marjoram, French, 1c. per lb.
Tunisian, 1c. per lb.
Saw palmetto berries, 5c. per lb.
Turmeric root, Alleppy, ¼c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
114.4	110.1	109.7	104.1

Market news that may have developed after this report was sent to press will be found on page 4.

Balsams

Copaiba.—Scarcity of supplies prevailed and to an important extent all spot quotations were nominal. Sellers were disposed to confine business to their regular customers. The tendency in price continued to be upward.

Fir.—Oregon balsam continued almost impossible to obtain on the spot and reports here said that there was absolutely nothing available in the primary market for the reason that forest fires prevented normal collection activities in the areas of production. Prices were strictly nominal.

Barks

Black Haw.—The market held strong in all ways. The strength given the market by the decrease in stocks was unabated. The strength noted in prices was unchanged. The strength of demand was fully up to that in recent weeks. The tendency was still upward.

Elm.—Stocks of select bark in bundles were much reduced. Virtually nothing remained in the primary market and holdings of the dealers have been reduced substantially. Last sales were made at 30c. per pound and the market was then moved up to 35c. in anticipation of further transactions.

Sassafras.—Business was good, though it was also routine. Select bark was in excellent request and stocks showed steady decrease in both the primary and spot markets. Price tendency was upward.

Wahoo.—Unsold stocks were conservative in size and the general position of the market was one of strength. Country reserves were none too plentiful and the belief of most sellers was that prices would continue to rise.

Wild Cherry.—Interest in this article was up to normal and movement into consumption was excellent. Prices have strengthened but have yet to be advanced in local circles. Stocks were believed to be sufficient for current requirements.

Beans

Calabar.—Interest was at low ebb. The fact that prices remained firm was caused primarily by the fact that stocks were moderate and held in a few quarters at a first cost, preventing any granting of substantial concessions in prices.

Vanilla.—Further advance in prices put Bourbon beans on the basis of $3.75 to $4.25 per pound: Mexican, whole, $4 to $4.50; cuts, $3.50 to $3.75; South American, $3.50 to $3.75. This advance in quotations was further evidence of the strong position held by the article as the result of the steady decrease in quantities produced. Also, the small reserves in primary and secondary markets were in strong hands. High quality beans were hard to obtain.

Berries

Laurel.—Irregular demand prevailed but the market had a steady undertone and prices were fully maintained at all times.

Prickly Ash.—Buyers' requirements were not large and they were supplied with little difficulty as stocks in the hands of all sellers were ample.

Saw Palmetto.—High prices have increased collection of the small crop this year and local dealers have secured stocks at a cost permitting them to reduce spot prices to 30c. to 31c. per pound.

Flowers

Borage.—A fair sized, though usually jobbing request, was current during the past week and values showed strength and stability in all quarters.

Chamomile.—Quotations were lower at 21c. to 22c. per pound. This price was entirely out of line with replacement costs and resulted solely from competition that on spot was exceptionally active in certain quarters. The highest quality of merchandise seemed to be fairly firm.

Pyrethrum.—Business in powder continued to be very fair in the off-season of the year and prices showed signs of considerable stability. The total 1936 production of flowers in Yugoslavia was placed at 780 metric tons, as compared with about 700 tons in 1935. Stocks on hand late in October included 150 tons of 1935 production and 400 tons of new crop flowers. Exports this year were destined chiefly to Germany, France and United Kingdom, with trial lots to Sweden. Shipments to United States in the first half of 1936 totaled 35 tons.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

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ANALYZED - STANDARDIZED
CRUDE DRUGS

Arabic
Aloes
Balsam Tolu
Cannabis
Chamomiles
Cudbear
Cuttle Bone
Digitalis
Ergot
Foenugreek
Ginger Root

Indian Gum
Kamala
Licorice Root
Lupulin
Mustard
Nux Vomica
Olibanum Gum
Orris Root
Papain
Saffron
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CRUDE DRUGS
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Rose.—Undertones continued to be firm and replacement costs added somewhat to the general stability of the spot market on red material. Pale flowers were about steady, but demand was not very active.

Saffron.—Spanish material was exceptionally steady, but despite continued unsettlement in the primary market because of the civil war, the future of the material was still somewhat clouded. Prices were favorable but exceptionally well maintained.

WHOLE AND POWDERED CUTTLEBONE
FRANK-VLIET CO., INC.
160 Water St.
New York N. Y.

Gums

Arabic.—Undertones continued to be very steady. Occasional unsettlement had been noted of late when primary market replacement costs fluctuated within somewhat narrow limits. On the whole, values in the spot market were counted favorable for buyers and their takings developed a fairly substantial volume of trade by the close of last week.

Benzoin.—Sumatra gum was all but unobtainable on the spot last week and a strictly nominal market prevailed at 35c. per pound. At least that would have to be paid to get anything. There was no shortage in the primary market. The shortage here was caused solely by the failure of dealers to protect there reserves adequately. The present situation was expected to be temporary in character and a return to normal prices was expected to come when orders which have been booked at the source are received on this market. North Sumatra produces benzoin. The firms engaged in the gum business are owned chiefly by Chinese, although at least three European firms are also known to be handling gums. Most of the gums produced in North Sumatra are shipped to large European produce merchants in Penang and Singapore, free ports in British Malaya, from where they are re-exported to Europe, the United States and British India. Records, however, show that small quantities of gums are occasionally shipped directly to the United States by local firms. The Residency of Tapanoeli, on the west coast of Sumatra, one of the three political divisions comprising the Medan district, produces more gums than either the East Coast of Sumatra or Atjeh, the other two provinces.

Camphor.—Prices ruled steadily and in firm position. Demand was along lines normal for this season of the year and consumption was said to be about up to expectations. Replacement costs on natural camphor were steadier than they had been. Domestic synthetic material continued to gain favor with home manufacturers and distributors and the sales of imported synthetic was also substantial. Sellers of the imported article were in a position to

(Continued on page 59)

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

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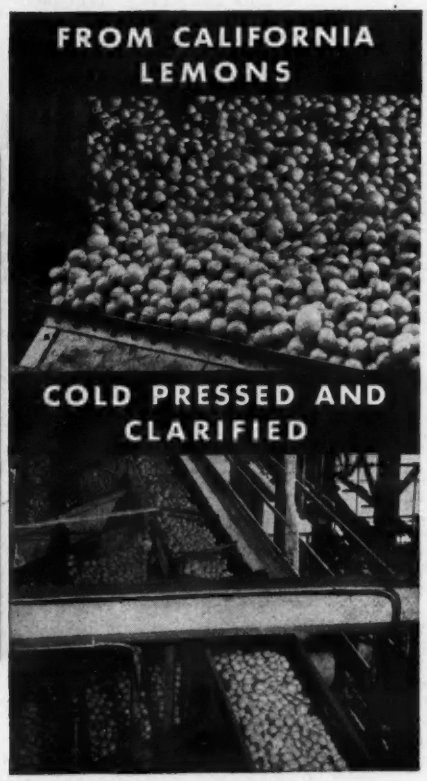

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Exchange BRAND
OIL OF LEMON
U.S.P.

Penick Suggests Buying Botanics as War Caution

European commercial centers give signs of real and substantial prosperity not connected with the feverish commerce caused by European preparations for war, according to S. Barksdale Penick, president of S. B. Penick & Co., botanical drug merchant, this city, who returned recently from the European capitals on the Queen Mary. He was accompanied by Mrs. Penick, and reported the passage to have been the roughest he had ever experienced.

He said that, regardless of the fact that the creation of war machines and instruments for the destruction of life and property has brought capacity operations in industrial plants producing such instruments, there remains a genuine and sound business activity that can be traced definitely to the general growth of demand for the merchandise of peace. European business men engaged in such business show a substantially large optimism. Prices are firming up steadily and the tendency of values is uniformly upward. The world-wide improvement in business normal to peace is reflected in the European situation, and only war involving Europe in general can check the sound and healthy gain in business that enriches the nations permanently—in contrast with the permanent destruction of wealth, which is the sole result of war, according to Mr. Penick.

But, says Mr. Penick, the threat and fear of a general war exists. European business men do not talk about it. If the visitor raises the question, the answer is a shrug of the shoulders and the query, "Who knows?" Beneath the surface, the fear of war is enternally with them and the more farsighted of European business men are quietly preparing for the war that to them seems to be only a question of "When?".

Mr. Penick advocates that buyers of botanical drugs consider the wisdom of quietly preparing now for the probable future of war. He points out that prices of imported botanical drugs would advance sky-high should a general European war come. Such a war would cut commercial communication between the United States and the European sources of supply. Stocks of key-botanicals would be commandeered by foreign governments. Supplies would be jeopardized, and prices would rise precipitately. He says that from our World War experience we know what will happen.

Mr. Penick is acting on his own suggestion, incidentally. Inventories are being built up quietly, and reserves somewhat larger than normal are being created. Nothing sensational is being done, but to exercise foresight now is but plain, common sense to Mr. Penick, He said that American consumers of botanical drugs in numerous instances have accepted the soundness of this reasoning and have put into effect a broader purchasing policy with a view to reasonable protection of their requirements against the time when war may rupture the peace of the world.

Danger of a sharp decline in ergot prices when Spain resumes direct shipments to this country is remote, according to Mr. Penick. It is his opinion that a substantial crop of ergot was harvested in Spain this year and that the bulk of it has been shipped into Portugal. Merchants in Portugal have resold large quantities of it as Portuguese ergot at prices substantially higher than Spain would have charged had her shippers done business direct with this country, and with the world. Therefore, he avers that unsold stocks in Spain are very small and when Spain offers them direct on the world markets prices will hold firm. Consumers cannot reasonably expect prices to decline, in Mr. Penick's opinion. These opinions were also those of the European botanical drug merchants with whom he consulted while abroad.

Twenty Mule Team Remembered

The passing into history of the famous "Twenty Mule Team," which years ago ceased its perilous transportation of borax from Death Valley to civilization, was commemorated Thanksgiving Day, when a picturesque outfit of mules and wagons went over the long trail, simulating the hauls of the old days. The spectacular cavalcade moved from the Harmony Borax Works, near Furnace Creek, down through Death Valley, to Wingate Pass, past Granite Wells, and to the railhead at Mojave. Good roads have replaced broken mule-trails and modern transportation supplanted the sturdy animals.

Essential Oils, Aromatic Chemicals

California Lemon Up—Few Citrous Oil Cables from Italy—Ceylon Citronella Higher—Tansy Scarce at Rise—Peppermint Advanced Again—Demand Generally Good

Citronella, peppermint, domestic lemon, and tansy oils were featured in the spot market for essential oils last week, all selling at higher price levels. Phenyl ethyl butyrate and phenyl ethyl salicylate were lower in the aromatic chemical market and readjustment in the price on phenyl ethyl phenyl acetate was also noted. Citronellal and citronellol were stronger and tended upward in price because of the situation in raw material. Demand in the market as a whole was said to have been very good. Buyers were in the market constantly and their requirements were usually substantial in size. The usual slump in trading in the preholiday period has yet to affect the market in any broad sense.

Citrous oils continued to show strength last week. California lemon was advanced substantially and was in strong position following the rise. Cables from Italy carrying firm offerings of lemon, orange, and bergamot were comparatively few during the period reviewed and prices showed uniform strength.

Ceylon citronella was advanced further in price, thus keeping spot values in line with developments at the source. A feature was the absence of truly firm offerings of goods from Ceylon. Java citronella was sympathetically strong and the derived products, citronellal and citronellol, were correspondingly improved in their positions on spot.

Country prices on peppermint were very firm and higher spot prices were still very close to actual replacement costs at the source. Spearmint was steady. Wormwood and wormseed continued to show a firmer situation here and at the source.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Citronella, Ceylon, 2c. per lb.
Lemon, California, 50c. per lb.
Peppermint, natural, 10c. per lb.
redistilled, 10c. per lb.
Tansy, 10c. per lb.

Reduced

Phenyl ethyl butyrate, $3 per lb.
Phenyl ethyl salicylate, $1.30 per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
79.7	79.4	72.8	71.5

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Sweet, true, oil was very firm and to some extent open quotations were nominal in that most sellers were disposed to restrict sales at any price to their regular customers. Stocks were less than normal and replacement was highly uncertain.

Anise.—Stocks continued to be low and conditions did not suggest an early return to a situation in which reserves would be normal in size. The trouble is to get technical oil from China. Little or nothing is offered from that country. Demand was good and sellers kept sales down to small quantities and usually sold only to regular customers. Such buyers bought at 85c. per pound. Quotations to others were noted as high as 90c.

Bergamot.—The market held strong. Italian prices showed no weakness and the effect of control by government edict was clear. The quality of oil being shipped was said to be uniformly high, which is a gain to consumers in this country even though comparatively high prices have to be paid.

Cassia.—The competition noted on spot in recent weeks was still present. While prices were not reduced further, they were easier on the whole and the tendency was to move them in favor of buyers when business of attractive proportions appeared.

Citronella.—Prices on Ceylon oil were advanced again. In drums, the price was 27c. to 29c. per pound; in cans, it was 30c. to 32c. These further increases in quotations reflected the steady growth of strength at the source. Java oil was unchanged but the tendency was upward.

Clove.—Very good demand prevailed in a market noted for strength. Raw material showed no weakness as supplies in the Far East were not large and prices there were strong. Stocks in the hands of distributors consisted mainly of high cost goods and hence there was virtually no shading of the producers' quotations.

Coriander.—Some oil existed on spot but it was being reserved for regular customers and no open market quotation was available. At least $12 per pound has been paid for very small quantities. The article cannot be bought in Europe at that figure in the second-hand markets. The producing country offered nothing.

Croton.—A fair sized but entirely jobbing demand was noted locally but the market retained a firm undertone that was said to reflect the replacement position of the article in the primary market.

Dill.—The market was quiet. Large picklers have sufficient goods for their requirements and on the whole trade was down to the limits conventional for the article at this season of the year. Prices were steady.

Erigeron.—Stocks in the country were very low and it would not require much buying to exhaust them. On the spot, little demand was reported and inactivity in sales led to a check on price movements. The basic position was one of strength.

Eucalyptus.—The market held very strong. Inability to replace stocks save in shipment position somewhat distant has made for stronger views as to value of stocks available on the spot. Demand continued to be very good at all times.

Geranium.—The primary markets have become steadier and hence reductions in spot quotations have been checked. Demand was routine and was generally confined to coverage of limited quantities needed for prompt consumption.

Ginger.—Raw material was advanced in price last week, thus adding to the already strong position of distilled oil on this market. There has been also a very good request for the article and business done has added to the general strength of the article on spot.

Lavender.—Some fair sized trading in French flower oil was noted and some of the business done involved fairly substantial quantities of the highest quality oil. Spike oil remained strong and in moderate supply. No early hope of substantial shipments from Spain was noted.

Lemon.—California oil was advanced to $2.50 per pound and held strongly thereat throughout last week. Cables from Italy were not numerous but all indications were that high prices continued to prevail and in comparison, spot quotations were distinctly favorable. The tendency here was toward higher levels.

Lime.—No further changes in spot quotations were noted last week, but the market continued to display a very firm tone and interest in both varieties of the article was fair. Shipments from Mexico to the United States during October, 1936, were 2,400 pounds and 1,588 pounds, valued at $3,600 and $5,184 United States currency, respectively, making a total of $8,784 during the month. Total exportation to the United States during the first ten months of 1936 had a value of $35,888, and compares with a value of $16,188 in the corresponding time in 1935.

Orange.—The market was very firm. Lack of numerous cables from Italy was reported and the few received gave indications of a strongly maintained price on shipment parcels. Business in local

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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circles was not very active, but sellers continued to show firm views as to the value of their holdings.

Pennyroyal.—Business was moderately good and on the whole the market showed a deal of stability so far as prices were concerned. Stocks of domestic and Spanish material were none too plentiful. Replenishments from Spain were all but impossible to obtain.

Peppermint.—Prices were higher at $2.35 to $2.55 per pound for natural, and $2.60 to $2.65 for the redistilled article. The inside price was very close to the minimum quotation received from the Middle West. It was quite clear that the situation at the source was strengthening steadily.

Pimento.—Lack of more than moderate supplies, and the existence of a high replacement cost continued to keep this item in strong spot position notwithstanding the fact that demand was none too active during the past week.

Spearmint.—This item has failed to show the strength recently the feature of the peppermint market. However, it was a firm article and sellers showed no disposition to enter a period of competition for the moderate amount of business in the market at this time.

Tansy.—Stocks were very low. Spot quotations were raised to $3.10 to $3.25 per pound and the tendency was to raise the inside figure should demand show even a moderate increase. Reserves were said to be quite the lowest in a number of years.

Vetiver.—The steady character of this item continued a feature. Replacement costs have not declined further and on the whole stocks at the source were said to be well held by the exporters. On the spot, firm prices prevailed to meet a distinctly routine demand.

Wormseed.—A firmer tone has come to the item without there having been any substantial increase in demand for export or domestic account. However, primary market sellers showed a quiet reserve and held prices in anticipation of an improved demand in the not far distant future.

Wormwood.—Unsold stocks in the hands of the producers were small. Values have been stronger of late and spot dealers have taken a firmer view on prices. Demand was comparatively light last week.

Aromatic Chemicals

Carvol.—Fair-sized trading in this article was noted and the market as a whole was in very steady position throughout the period. Prices were noted at $4 per pound.

Cinnamic Alcohol.—Although business was somewhat routine in character, it had a steady quality that raised a fair-sized volume by the close of the period and tended to hold prices in well-established position.

Cinnamic Aldehyde.—Inquiries were somewhat fewer than they had been, but trade was still considered to be very fair in size and the undertone of the market remained steady at all times.

Citronellal.—Production costs pointed higher because of recent and substantial advances in prices on raw material. The position of this derivative has strengthened and the tendency in prices has become upward.

Citronellol.—The special grade of this article was lower at $1.80 per pound. This was the result of competition and was in contrast with the fact that raw material has been upward in trend for some time past.

Geranyl Propionate. — Interest was somewhat routine and as a rule orders were for small quantities. However, the market had firm characteristics and prices were well held.

Linalyl Acetate.—The strong position of bergamot oil at higher prices has increased interest in this item and the result last week was some gain in market firmness and a generally well-maintained price on this material.

Methyl Heptonone.—Principal sellers said business was good. The call was steady and for normal quantities. Prices held steady and competition was negligible at all times.

Methyl Heptine Carbonate.—Business was routine and confined to small orders that were about normal in size. Replacement costs held firm, and hence spot quotations showed no tendency toward unsettlement.

Methyl Naphthyl Ketone. — These orange crystals sold at $3.75 per pound for a high quality article and sellers thereat said that business was normal and very steady in character.

Phenyl Ethyl Phenyl Acetate.—Quotations were reduced to $11.50 per pound and substantial quantities were available thereat as the result of considerable competition in local circles.

Phenyl Ethyl Salicylate. — Somewhat lower quotations were noted on this article and the new price was $4.20 per pound last week. A more competitive market had prevailed of late, but the new price was expected to bring about more stability in values.

Phenyl Propyl Alcohol. — This item, which is said to be similar to cinnamic alcohol, was steady in price. Buyers were somewhat reserved, as their present requirements were apparently covered to a fair degree. Undertones continued to be steady.

Phenyl Propyl Aldehyde.—This article is the product of the distillation of reseda flowers with geraniol. For a quality article $30 per pound is being obtained, and last week the market was very steady thereat under the influence of normal demand.

Rhodinol. — Inquiries were fairly numerous and the result was a volume of sales and kept prices to a steady position and eliminated more than a moderate degree of competition from local circles.

Skatol.—Fair request and firm prices prevailed. Stocks were said to be ample for current requirements and no difficulty was experienced in securing replacements in the primary market.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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76 NINTH AVENUE, NEW YORK, N. Y.
118 WEST OHIO ST. CHICAGO, ILL.

Dr. Kunz Discusses Patman Act

The November issue of the *Givaudanian*, published by Givaudan-Delawanna, Inc., aromatic chemical manufacturer, this city, is in the mails. Dr. Eric C. Kunz discusses the Robinson-Patman act and editorially expresses the opinion that it may help business. There is also a presentation of the use of citrene scents as preservatives of soap powders, and an illustrated special article, translated from the French of its author, Arni Mueller, of Geneva, on the subject of the Dipole Theory of Odor.

London Drug and Oil Data

Stocks of drugs and oils in London public warehouses, October 31, 1936, and 1935, and the movement of these goods into and out of such premises during October, this year, were as follows:—

	Landed.	Delivered.	Stock 1936.	Stock 1935.
Shellac, orange, cs.	2,151	4,024	123,318	189,751
garnet, cs.	100	504	568	591
button, cs.	433	423	1,066	814
Totals	2,684	4,951	124,952	191,156
Cinchona bark, South American, cs.	...	...	...	...
bales, etc.	...	...	...	...
East India, Ceylon, and Java, cs.	...	...	...	...
bales, etc.	127	23	549	738
Totals	127	23	549	738
Quinine sulphate, lbs.	3,600	3,600	...	...
Aloe, cwts.	341	48	512	67
Anise, Star, cwts.	...	18	63	67
Arrowroot, bbls.	550	654	1,975	1,729
boxes and tins.	...	...	...	...
Balsam, cwts.	9	12	108	38
Cascara sagrada, tons	36	9	72	123
Tanners' bark, tons	1	1	...	...
Beeswax, pkgs.	2,054	2,289	2,284	2,124
Japan wax, cs., etc.	207	179	325	216
Camphor, pkgs.	139	118	402	379
Cardamom, cwts.	37	107	90	477
Cochineal, bgs.	29	18	72	27
Coculus indicus, bgs.	...	...	...	...
Colombo root, bgs.	20	23	2	457
Cubebs, bgs.	...	1	4	17
Dragon's blood, cs.	...	2	162	121
Nutgalls, China and Japan, cs.	...	...	580	646
Turkey and Persian, bgs.	16	7	162	70
Gum, ammoniac, pkgs.	...	...	27	16
animi, pkgs.	66	15	468	500
copal, pkgs.	3,927	4,125	17,759	14,455
arabic (all descriptions), pkgs.	1,718	1,796	11,845	9,008
asafetida, cwts.	...	4	443	438
benzoin, cwts.	113	67	860	787
dammar, pkgs.	844	1,511	5,351	4,087
gamboge, cwts.	...	5	24	43
guaiac, cwts.	...	11	106	185
elemi, pkgs.	...	...	...	...
kauri, tons, net.	34	114	119	280
mastic, pkgs.	..	24	55	42
myrrh, E. I., pkgs.	...	8	77	193
olibanum, pkgs.	31	9	267	262
sandarac, pkgs.	45	25	144	105
tragacanth, pkgs.	474	1,302	3,419	5,178
Ipecac, Mattogrosso, cwts.	39	57	179	35
Other sorts, cwts.	...	12	56	
Jalap, cwts.	...	4	9	12
Myrabolans, tons	...	...	2	2
Nux vomica, cwts.	...	...	...	423
Oils, castor, cwts.	506	516	68	159
palm, tons	...	...	...	1
coconut, tons	68	70	30	68
olive, casks, etc.	551	571	906	954
*anise, cwts.	38	40	12	3
*cassia, cwts.	2	1	3	15
Graphite, tons	42	46	68	33
Rhubarb, Chinese rhapontica, cwts.	...	71	244	293
Saltpeter, tons	11	2	10	9
Soda nitrate, tons	1,069	156	2,852	2,015
Sarsaparilla, cwts.	44	30	352	305
Senna, bls.	82	317	3,292	4,482
Sticklac, cs.	470	913	1,759	1,042
Gambier, tons	2	3	5	11
Cutch, tons	5	1	9	13
Turmeric, Bengal, tons	...	16	62	14
Madras, Cochin, etc., tons	10	21	163	49
Total tons	10	37	225	63

* Stocks at certain wharves not included.

Methyl Chloride Price Schedule for 1937 Issued

A nationwide schedule of delivered prices, spot and contract, effective December 7, has just been issued by the R. & H. chemicals department of E. I. du Pont de Nemours & Co., Wilmington, Del., for its refrigeration grade of methyl chloride (trademarked "Artic") in 20-, 60-, 90- and 130-pound cylinders and multiunit tankcars. The prices, on a delivered and freight allowed basis, are as follows:—

To manufacturers of refrigeration machines, on contracts, in 60-, 90-, or 130-pound cylinders; lots of 60 pounds to 999 pounds, 36c. per pound; lots of 1,000 pounds or more, 32c. per pound; in multiunit tankcars, 18,000 pounds, 31c. per pound.

Spot and contract at retail, in 60-, 90-, or 130-pound cylinders, lots of 60 pounds to 999 pounds, 43c. per pound; lots of 1,000 pounds or more, 37c. per pound.

When the methyl chloride is packed in 20-pound cylinders, the price is 10c. per pound more than the foregoing quotations. The terms are 1 percent, ten days; net thirty days.

Cylinders are charged extra as follows:—130-pound, $20; 90-pound, $15; 60-pound, $12; 20-pound, $8. Full credit is allowed on cylinders returned in good condition within sixty days to point of shipment.

Freight is allowed to any common carrier point in the United States on full and empty movements when material is shipped from the major stockpoints, Niagara Falls, N. Y.; Chicago, El Monte, Calif.; Baltimore. Shipments from other warehouse points are f.o.b. those points. Delivery is free within the municipal limits of all warehouse and major stockpoints. Empty cylinders must be returned to warehouses or stockpoint from which shipment was made:—freight collect to major stockpoints if shipment was made from these points; and freight prepaid to all other points.

Baltimore Drug Exchange Elects Pierpont President

BALTIMORE, Dec. 3, 1936.

In point of attendance, the annual meeting of the Baltimore Drug Exchange, held last night, was one of the most successful yet arranged, some seventy being present at the dinner.

Luther Becker, a representative of the Baltimore office of the Social Security Board, explained at length the numerous provisions of the security act. He pointed out what the Federal authorities are required to do and the extent to which the efforts must be supplemented by the State. He explained the complicated structure of the relief agencies set up and gave information on what compliance with the act calls for from employers. He pointed out what constitutes an employer, and what part employes are asked to play. His address gave rise to a number of questions, all of which he answered in a clear and informing manner.

Ellis C. Baum, vice-president of the Continental Baking Company, New York, developed a ready wit and recounted a number of jokes intended to show that humor can be made a valuable aid in the conduct of business by smoothing out rough places and promoting good feeling.

There were impromptu remarks by Mayor Jackson and others, and a number of the invited guests were introduced.

At the business meeting the following officers were elected:—President, M. J. Pierpont, of the Loewy Drug Company; first vice-president, Edward S. Muth, of Muth Bros. & Co.; second vice-president, J. Stanley Heuisler, of the Emerson Drug Company; treasurer, Leroy Oldham, of Leroy Oldham & Co.; secretary, W. J. Lowry, of Gilbert Brothers & Co. Members of the executive committee:—George M. Armor, of McCormick & Co.; J. L. Robinson, of the Henry S. Gilpin Company; and Frank L. Black, of Hynson, Westcott & Dunning.

Secretary Lowry summarized the activities of the committees and the meetings held during the year. Treasurer Oldham stated that all outstanding obligations had been paid and there was a balance in the treasury.

W. L. Bean, chairman of the committee on credits and collections, called attention to the fact that he had predicted that the year 1936 would bring the largest volume of business since 1930, and he was happy to state that this forecast had been verified. Collections were not as good as might have been expected, but the outlook for 1937 was promising. Accounts required very close watching. Bankruptcies had been reduced, though the national law on the subject had not worked out satisfactorily, and it was up to Congress to make changes.

Charles T. Fardwell, chairman of the legislative committee, reported that there were ten States in which legislatures had held sessions. Nothing especially detrimental to the drug business had gotten through, the measures enacted being generally in the direction of tightening up old laws. He hoped that some Federal food and drug bill would be passed that would serve as a guide for State legislation and would further the enactment of measures in conformity with the national act.

George Briasco, in charge of the essential oil department of the George Uhe Company, broker, this city, has gone to Florida for his vacation. Mr. Briasco is in Miami, but expects to do considerable touring before returning to this city about two or three weeks hence.

Petroleum Solvents, Lubricants, Fuels

Solvents Continue Steady—Burning Oils in Heavy Demand—Crude Oil Position Tightens Under Fuel Needs and European Buying Interest — Production Off

Petroleum solvents, naphthas and thinners continued in steady position. Although rubber solvents continued to move into consumption in excellent volume, most of the solvents used as industrial raw materials underwent a dimunition of demand, and, indications were that a quiet market would prevail over the remainder of this month. Prices were steady in reflection of the general strength of the crude petroleum market.

Because of the record breaking demand for burning oils and an unusually heavy demand for crude oil for export to Europe, the crude oil situation has tightened considerably during the past two weeks. Increased allowables for December of 60,000 barrels daily over the November rate, were not considered sufficient to cover the demands of the market and for a time it appeared as though the interstate oil compact would be broken by the insistance of Texas interests that a larger yield should be permitted. Crude oil was really tight and talk of increased prices was heard. The heavy runs of fuels resulted in increased supplies of gasoline which could not be moved and, according to the advices from Tulsa, some sellers would not sell their burning oils unless a buyer took a quantity of gasoline also.

Daily average crude oil production in United States for the week ended November 28 was 3,010,650 barrels, a decrease of 50,300 barrels from the preceding week's average of 3,060,950 barrels, according to the estimate of the American Petroleum Institute which omits any oil that might have been produced surreptitiously. The average for four weeks ended November 28 was 3,021,450 barrels and the average at this time a year ago was 2,820,450 barrels. Runs to stills during the week ended November 28 were reported as having averaged 2,787,000 barrels for 78.4 percent of refinery operation, and, according to the A.P.I., 233,000 barrels additional were sent to stills but were unreported. This total of 3,020,000 barrels compared with 2,995,000 barrels during the preceding week. Crude oil stocks on hand November 21 totaled 289,454,000 barrels against 289,964,000 barrels November 14, according to the American Petroleum Institute.

Solvents and Diluents

Midcontinent refiners reported a steady market position last week. Tankcar prices for solvents and naphthas have been without change for some time and the trading in these commodities was described as having been routine. Similar conditions prevailed at the East Coast bulk points, and latest reports from the Pacific coast indicated a similar condition there. The tankwagon markets in leading Eastern and Midwestern cities were steady. Rubber solvents continued to move in good volume but the solvents used in the manufacture of surface coatings were undergoing a seasonal diminution of demand.

Cleaners' Naphthas.—Tankcar purchasing returned to routine proportions after a few weeks of extraordinary demands for this late in the year. The prices quoted at the Midcontinent refineries were unchanged at the quotations that have been long standing.

Lacquer Diluents.—The market continued free from disturbance. Most of the Midcontinent refiners quoted 8⅜c. to 8½c. per gallon for tankcar lots but one seller has been offering at 7⅞c. per gallon, basis Group 3.

Petroleum Thinners.—Conditions surrounding the market were unchanged from those of a week ago. Orders for delivery against contracts were reported as having been fairly active and open market business was mild. The prices at the Midcontinent and local refineries have been unchanged for some time back.

Rubber Solvents.—Both the light and heavy grades held a firm price position at the quotations that have been standing for several months. The deliveries into Akron and other tire manufacturing centers continued good and the demands for these products were greater than those for other petroleum solvents.

Stoddard Solvent.—In company with most other petroleum solvents, the market was favored with a mild activity. The tankcar prices at the Midcontinent and East Coast refineries were unchanged and steady, while tankwagon quotations in leading cities were also without a reported change.

V. M. & P. Naphthas.—The market's position did not change last week. Manufacturers of surface coatings were routine buyers of the article and the market may be expected to continue somewhat slow over the remainder of this month. Prices continued unchanged in all directions.

Markets at Other Centers

Chicago, Dec. 3.—Orders for various grades of petroleum diluents and solvents continued to reach sellers at a good rate. Buyers were bidding fairly actively for some grades of material. At this time, most of the sources of supply seemed content to quote recently prevailing prices, although there is talk in some quarters as to the possibility of higher prices a little later. Ruling prices in tankcar lots except as noted are (tankcar prices f.o.b. Group 3, Oklahoma):—Blending naphtha, 4⅝c. to 4¾c. per gallon; cleaners' naphtha, 7⅜c. to 7½c., tankcar; 15.5c., tankwagon; petroleum spirits, 6⅜c. to 6½c., tankcar; 16.2c., tankwagon; rubber solvent, 7⅜c. to 7½c.; lacquer diluent, 8⅜c. to 8½c.; Stoddard solvent, 6⅝c. to 7c., tankcar; 15c., tankwagon; v.m. & p. naphtha, 7⅜c. to 7½c., tankcar; 16.5c., tankwagon.

Tulsa, Dec. 3.—Cleaners' naphtha seemed to be in fairly good demand. This market has some of the characteristics of the gasoline situation. It was a matter of seasonal products with shipments somewhat routine. The quotations remained at 6⅞c. to 7⅜c. per gallon.

Lighter Fractions

The market for liquefied petroleum gases in the light hydrocarbon group was serene last week. Producers did not advise of any changes in prices. Latest reports on the state of the demand side of the market indicated that the movement of material was routine and through the regular industrial channels of consumption.

Butanes.—Conditions surrounding the market were unchanged last week. Quotations for the 16-32-degree product testing up to the specifications of the N.G.A. continued at 2¼c. to 3¾c. per gallon for tankcars, basis Group 3.

Hexanes.—There were no new developments in the market, and the prices continued at schedule, having been based at 10½c. per gallon for normal grade material in tankcars at Group 3.

Octanes.—The appearance of the market was not different from its status in recent weeks. Trade moved in routine fashion, and the prices quoted at the Group 3 refineries have been unchanged for some time.

Pentanes.—The schedule of prices has not changed for some time. Tanks of normal grade material were quoted at 9½c. per gallon, basis Group 3.

Petrolatums and Waxes

White Mineral Oils.—Trade improved a little last week. Much of the business done was applied against contract. The colder weather has accelerated the interest in the article. Technical oils moved in fairly good fashion. Prices contniued at unchanged levels.

Paraffin Waxes.—There was a little more activity in the scale wax market last week. The prices quoted here were unchanged from the levels that have been in force for some weeks back, with 2.40c. per pound asked for 122-124 A.m.p. and 2.45c. per pound for 124-126 A.m.p. wax. Fully refined waxes continued in the steady position that has been characteristic of the market for some weeks back.

CHICAGO, Dec. 3.—Sellers of refined wax were somewhat bullish as to the outlook for prices on various grades. Sufficient business came in without serious solicitation to keep a large volume of material moving. Supplies were not overly heavy. Ruling prices were:—122-124, 4.65c. to 4.75c. per pound; 125-127, 4.9c. to 5c.; 127-129, 5.05c. to 5.15c.; 130-132, bulk or bag, 5.45c. to 5.55c.; 132-134, bulk or bag, 5.7c. to 5.8c.

TULSA, Dec. 3.—Most of the pressing plants were sold up for December and orders for current delivery were going unfilled. Refiners, however, have not changed quotations and 2½c. per pound continued for the 124-26 grade scale.

Petrolatum.—The condition of the market did not change from a week ago. The demands were rather draggy and most of the business was against contract. Prices for white, amber and dark grades continued without shift.

Fuels and Lubricants

The trade expected an early increase in kerosene prices. Some sellers boosted quotations a week ago and a general rise in price was expected early last week but it had not materialized up to the time of this writing. Trade observers still expected the boost. The gasoline market was unchanged here and the 65 octane grade of motor gasoline was still subject to shading. Pennsylvania light bright stocks and neutral oils were still tight.

Market Conditions

Gasoline.—The local bulk market's position was unchanged from a week ago. Although leading sellers continued to quote U. S. motor, 65 octane at 6¾c. per gallon at refinery, business was being done at 6½c. per gallon and there occasional rumors that even less had been taken on some trades. The 62-63 octane grade of motor gasoline was quoted at 6½c. per gallon while branded qualities were posted at 7c. per gallon by the leading sellers. The jobbing demand was very spotty. The retail market situation was unchanged and there were no open weaknesses noted in the retail structure along the Atlantic seaboard. The export market at the U. S. Gulf was unchanged last week and quotations were as follows:—U. S. motor, 5⅛c. per gallon; 60-62, 400 e.p., 5¼c. per gallon; 60-62, 390 e.p., 5⅜c. per gallon; and 64-66, 375 e.p., 5½c. per gallon.

Kerosene.—It had been expected that most sellers would have advanced tankcar prices at the local refineries to 5c. per gallon but leading suppliers were still quoting 4⅝c. per gallon for 41-43 water white material at this writing. Two suppliers quoted 5c., basis refinery. The market was very strong and it was still expected that a 5c. market would prevail at any moment. The export market at the U. S. Gulf held the advances of a week ago and quotations were 3⅞c. per gallon for prime white and 4¼c. per gallon for water white. The dealer and tankwagon market in the middle West was advanced 0.3c. per gallon, Friday.

Fuel & Gas Oils.—The heavy oil market was strong. There have been no advances in price at local refineries in recent weeks but strength was the outstanding characteristic in the market. Bunker C oil continued in a firm position at $1.15 per barrel, at the terminals. Diesel oil was steady at $1.65 per barrel. Fuels in tankcars at the refineries were unchanged. Oil burner shipments in October totaled 33,557 units against 35,025 in September and 25,657 in October last year, according to the Bureau of Census. Total shipments for 10 months were 166,679 against 121,121 in the corresponding months of 1935 and 86,405 in the same months of 1934.

Lubricating Oils.—The Pennsylvania bright stock market held unchanged, following the rise and subsequent fall of the price a week ago. As reported at that time, some of the refiners felt that a rise in price at this time would be unseasonable even though inventory conditions would warrant a boost. Neutrals continued tight and the prices were very strong. The light bright stocks were strong also.

Markets at Other Centers

Tulsa, Dec. 4.—Although it might be said that trading in the refined oil markets of the Midcontinent field was spotty, due to climatic conditions, which influenced seasonal products, there was nevertheless a strong undertone in evidence. Burning oils were, of course, the outstanding features of the market and concern over the supply was expressed in many circles. The general level of prices at the close of the week was ½c. higher than a week ago.

It was a daily occurrence for buyers to go over from day to day without their orders for burning oils unfilled. Not only are consumers, jobbers and marketers in the market, but several refiners, were anxiously looking for supplies. Some plants were reported technically short as earlier commitments called for more than current production. Many large orders were going begging. It was essentially a sellers market. Some refiners were coupling their sales of burning oils with gasoline. The latter product was difficult to move so, refiners when selling burning oils insist that the buyer take a quantity of gasoline.

The spottiness of gasoline, however, was only in the lower grades. The high

The State of the Petroleum Market

There were no changes in crude oil prices last week. Gasoline at the refineries continued soft. Retail markets in leading cities were unchanged.

	Dec. 3	Nov. 27	Last Year
Crude petroleum prices at well (average for ten fields) per barrel	$1.276	$1.276	$1.128
Gasoline prices at refineries (at four refining centers) per gallon	.0534375	.0534375	.0534375
Gasoline prices at service station (average for ten marketing centers—including tax) per gallon	.1919	.1919	.1899

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

. . for oils, alcohol, turpentine etc.

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Outputs and Quotas

A comparison of suggested crude oil production for November as recommended by Secretary Ickes and the American Petroleum Institute's estimate of crude production for the week ended November 28, follows:—

	Federal agency allowable.	Estimated output.
Oklahoma	558,400	565,100
Kansas	154,500	165,400
Texas	1,109,300	1,156,700
Louisiana	198,600	235,400
Arkansas	28,100	27,800
Eastern (not including Michigan)	108,400	113,250
Michigan	29,000	29,750
Wyoming	40,100	43,500
Montana	14,300	17,950
Colorado	4,400	3,400
New Mexico	75,600	83,300
California	549,600	566,100
Totals	2,870,300	3,010,650

octanes and higher gravities were much in demand. In East Texas the higher grades were tight while in Rodessa where only low grades were available, prices were soft. In the Oklahoma market, most refiners appeared in a strong position. Jobbers, however, were anxious to avoid an accumulation of stocks in view of the climatic restrictions on consumption.

It may be that some of the tightness in burning oils will be relaxed somewhat in view of the larger allowables for crude oil production in the southwest during December. There will be a total daily production during the coming from Texas, Oklahoma and Kansas of about 100,000 barrels higher than November.

Quotations for products available in the Mid-continent area, basis of Group 3, follow:—

GASOLINE (refinery).—Winter grades were strong with 68-70 up ½c. to 5¼c. per gallon in the trade. Other grades were unchanged with U. S. motor resale on spot quoted at 4⅜c. to 4½c. per gallon. The higher octanes were 4¾c. per gallon to 5⅛c. for middle grades while the 68-70 grade was generally 5⅜c. to 5½c.

GASOLINE (natural).—The 26-70 was 4⅝c. to 4¾c. per gallon in Texas and Oklahoma respectively while 14 pound material remained nominal at 6c. to 6⅛c. per gallon and 22 pound was unchanged at 5.08c. to 5.22c. per gallon. Manufacturers were now able to meet current demand.

KEROSENE.—Following the strength in distillates, quotations were also ⅛c. higher with the 41-43 grade at 3½c. to 3⅝c. per gallon for the 41-43 grade and 3⅝c. to 3¾c. for the 42-44.

DISTILLATES.—No. 1 was generally quoted at 3½c. to 3⅝c. per gallon while No. 1 straw and No. 2 were 3⅜c. to 3½c. No. 2 dark and No. 3 quoted alike at 3¼c. to 3⅜c. while No. 3 high cold test is 2¾c. to 2⅞c.

FUEL OILS.—Buyers whose shipping instructions have been slow during the past few weeks were demanding deliveries and there has been a material pick up in shipments. The low viscosities which have been most in demand were tight and the higher cold test and viscosities were more in demand. Higher quotations were in line although they were unchanged this week. The 24-28 gravity is 95c. to $1.05 per barrel while 18-22 remains at 75c. to 80c. per barrel and the high cold tests ranged from 65c. to 82½c. The 10-16 gravities were 72½c. and the 5-11 from 65c. to 75c. per barrel.

LUBRICANTS.—The market was steady and in the best condition of the last two months.

Chicago, Dec. 3.—With gasoline demand holding up surprisingly well for this time of year, shipments of motor fuel have been reaching good totals, and little distress material was reported from any special refining district, shipping into the middle West. Prices were holding somewhere near the recently attained levels. Special interest was noted in the extra quality gasolines for low temperatures, a factor related to the strength in natural gasoline. Kerosene was picking up a little interest now, after a long period of lethargy. The demand for good grades of heating oils was unusually good and put strength into those materials. Heavy industrial oils were commanding much attention. Lubricants seemed in better tone.

GASOLINE.—Low octane motor, 4¾c. to 4⅞c. per gallon; middle octane motor, 5⅛c. to 5¼c.; high octane motor, 5⅜c. to 5⅞c.; 60-62, 400, 4¾c. to 4⅞c.; 64-66, 375, 5c. to 5¼c.; 68-70, 360, 5¼c. to 5½c.

KEROSENE.—42-44, water white, 3⅝c. to 3¾c. per gallon; 41-43, water white, 3½c. to 3⅝c.

FURNACE OILS.—No. 1 prime white, 3½c. to 3⅝c. per gallon; No. 1 straw, 3⅜c. to 3½c.; No. 2 straw, 3⅜c. to 3½c.; No. 2 dark, 3½c. to 3⅝c.; 32-36, dark, industrial gas oil, 2½c. to 2⅝c.

FUEL OILS.—No. 3 low cold test, 3½c. to 3⅝c. per gallon; No. 4, 95c. to $1 per barrel; No. 5, 75c. to 80c.; No. 6, 65c. to 70c.

New Orleans, Dec. 1.—Steadiness was again reflected in domestic market quotations. Foreign inquiries and exports were good. U. S. motor gasoline was quoted at 6⅛c. per gallon; below 62 octane was quoted at 6⅛c.; 63-67 octane at 6⅛c. and 68-70 octane at 7c.—all at refinery.

Kerosene continued at 6¾c. per gallon at refinery.

Bunker C fuel oil continued at 95c. per barrel at terminal and $1 per barrel delivered alongside. This grade was also in good demand on the part of industrial plants in this vicinity at the unchanged price of $1.36 per barrel, delivered.

Denver Oil Bowlers

Denver oil teams in the various bowling leagues in recent contests rolled as follows:—

Texaco League, November 19:—Statistical, 2,103, against Sales, 1,981; Credit, 1,871, against Travel Bureau, 1,812; Accounting, 2,016, against Stock Department, 1,663.

Powerine Oil League, November 24:—Kerosene, 2,338, against Prestone, 2,097; Alcohol, 2,386, against Exide Batteries, 2,094; Distillate, 2,134, against Goodyear Tires, 2,022; Auto Greasing, 2,326, against Powerlube Oil, 2,185; Auto Accessories, 2,336, against Powerine Oil, 2,325; Grease, 2,323, against Bearcat Gasoline, 2,200.

Petroleum Production—Motor Fuel Stocks

	Barrels 1936	Barrels 1935
	Jan. 1-Dec. 5	Jan. 1-Dec. 5
Commercial crude oil production	995,487,000	897,581,000
	Week ended Dec. 5, 1936	Week ended Dec. 7, 1935
Daily average production	2,999,400	2,818,500
	Week ended Nov. 28, 1936	Week ended Nov. 21, 1936
Estimated motor fuel stock total	57,448,000	*56,670,000
Estimated finished motor fuel stock at refineries	32,136,000	*31,005,000

* Revised.

Steel Barrel Production

Production of steel barrels and drums in the United States for the first nine months of 1936 totaled 5,974,581, compared with 4,822,604 for the corresponding period of 1935, according to a summary of the Bureau of the Census based on reports of 33 manufacturers, operating 37 plants. Shipments during the same period were 5,974,024 barrels and drums compared with 4,811,793 in the 1935 period. Production in September totaled 791,079 barrels and drums and shipments 787,380, against production of 623,797 barrels and drums and shipments of 622,187 for the corresponding month of 1935. Production in August totaled 584,690 barrels and drums and shipments 588,660, compared with production of 602,292 barrels and drums and shipments of 600,993 for August of 1935. Operations, ratio to capacity, for the first nine months of 1936, were 43.4 percent, compared with 35.7 percent in the corresponding period of 1935.

Gasoline, Oil Freights Cut

The New York Public Service Commission has approved new commodity freight rates as follows:—

Of the Delaware, Lackawanna & Western railroad, on gasoline, blended gasolines, and kerosene, tankcars, from Utica to Baldwinsville, 11 cents per hundredweight; reduction from class rates; effective December 25.

Of the New York Central (East) and West Shore railroads, on gasoline, kerosene, and petroleum fuel oil, tankcars, from Sackett's Harbor to Philadelphia, 6 cents per hundredweight; from Syracuse to Ogdensburg, 17½ cents per hundredweight; from Rensselaer to Kingston, 10 cents per hundredweight; reductions; effective December 22. On gasoline, refined oil, blended gasolines, and petroleum fuel oil, tankcars, from Fairport to Suspension Bridge, on the New York Central or West Shore railroads, 14 cents per hundredweight; reductions; effective December 22.

Pure Oil Company will redeem on January 1 $1,000,000 of its 15-year 4¼ percent sinking fund notes due July 1, 1950.

Sinclair and Socony High Bidding for Royalty Oil

WASHINGTON, Dec. 3, 1936.

Contracts for the sale of government royalty oil from the Salt Creek field, Wyoming, will not be let for several days, it was stated today by officials of the Department of the Interior. Bids were opened Monday with the Sinclair-Wyoming Oil Company and the Socony-Vacuum Oil Company submitting the highest offers.

Sinclair - Wyoming submitted the highest bid for all the oil, giving a bid of 2 cents above the highest posted field price for one year, beginning January 1, 1937, and a bid of 2½ cents above the highest posted field price for a three- and five-year period, beginning January 1, 1937.

Socony-Vacuum submitted a bid split as to the items as follows:—

On item 1 calling for bids on "all the royalty oil accruing to the United States from leases in the Salt Creek field, Wyoming, not operated as of October 1, 1936, by the Stanolind Oil & Gas Company," Socony-Vacuum submitted a bid giving the highest field price for the year beginning January 1, 1937 (no premium).

On items 2 and 3 calling for bids on "one-third the royalty oil accruing to the United States from leases in the Salt Creek field, Wyoming, operated as of October 1, 1936, by the Stanolind Oil & Gas Company," Socony-Vacuum submitted a bid of 2¼ cents above the highest posted field prices, for one year beginning January 1, 1937.

On item 4 calling for bids as in the terms above in items 2 and 3, Socony-Vacuum submitted a bid giving the highest field price for the year beginning January 1, 1937 (no premium).

Each of the items comprise about one-fourth of the total amount of royalty oil accruing to the government.

Sinclair Wyoming submitted bids of 2 cents above the highest posted field price, for one year beginning January 1, 1937, on each of the four items; 2½ cents for three years and 3 cents for five years.

Stanolind Oil & Gas Company was the only other concern to submit bids for the oil, and bid two percent less than the highest price for the total government oil and submitted the same bid for each of the four items for one year. This is the company which operates the major portion of the Salt Creek field.

At present Sinclair-Woyming and Socony-Vacuum have the contract for the oil.

Pontol Specifications Are Revised by B.R.I.

Modification of the miscibility test for pontol K for use as a denaturant of alcohol has been approved by the Bureau of Internal Revenue. The description of the miscibility test in AT-circular AT. No. 182 has been changed in AT-circular AT. No. 233 to read as follows:—

Miscibility—The product shall be completely miscible in all proportions with ethyl alcohol of 95 percent strength. It shall have a cloud test of not more than 90 degrees proof, which means that when a mixture of 100 parts of 95 percent ethyl alcohol and five parts of pontol K is diluted with water until it becomes opalescent the proof of the diluted solution will not be more than 90 degrees at 60 degrees F.

To 100 cc. of 95 percent ethyl alcohol add 5 cc. of pontol K. Titrate this solution with distilled water to the first permanent faint opalescence, which shall be considered the cloud point. Use distilled water at 25°C. for the titration. It will be found that opalescence occurs on the addition of about 130 cc. of water. Care should be taken to note the first opalescence as it increases very gradually. Determine the proof of the diluted solution, which shall not be greater than 90 degrees when corrected to 60°F.

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Fertilizer Materials

Additional Mixing Activity Reported—Movement of Materials Still Slow — Organic Ammoniates Strong — Commercial Fertilizer Use Hit by TVA Phosphates

The agricultural chemicals market continued quiet and few trades were reported during the week. Additional mixing activity was reported during the week and contract delivery orders were more numerous, but the market was still described as having been slow. Organic ammoniates continued to show strength, and most of the price movements in that group last week were in an upward direction.

The marine shipping strike continued to tie up business on the West coast, and, while it has not been a major handicap at Atlantic and Gulf ports, it was understood to have interfered with trading to some extent, because the deliveries could not be guaranteed. As reported previously, the suppliers of potash from California may ship by rail if the marine shipping facilities are tied up much longer.

Cottonseed meal continued as a cheap source of organic ammonia in the South. Nitrogenous tankage prices continued to move upward last week. Feeders were about the only buyers of packing-house ammoniates last week and the prices current for these articles were considered out of the reach of some of the fertilizer buyers.

This week's Atlanta report stated that Fall use of commercial fertilizers in the Tennessee valley area was off because of the increased use of free phosphates provided by the TVA. The reports also stated that large quantities were being distributed to farmers outside of the Tennessee valley.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Bone, raw, dom., Chicago, $1 per ton.
steamed, dom., Chicago, $1 per ton.
Nitrogenous material, dom., West, 20c. per unit.
East Coast, 25c. per unit.
Tankage, dom., New York, 15c. per unit-ton.

Reduced

Bone meal, 3 & 50, Chicago, 50c. per ton.
Hoof meal, Chicago, 10c. per unit.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of a normal of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
63.6	63.6	63.6	57.7

Market news that may have developed after this report was sent to press will be found on page 4.

Ammoniates

Nitrate of Soda.—Contract delivery orders came into the market at a faster pace, but the market was still described as having been quiet. There has been practically no new booking and the market is usually very quiet at this time of the year. The price situation held steady at the established schedule.

Sulphate of Ammonia.—The scheduled advance of 50c. per ton took place Tuesday and the market continued in a firm position, with offerings for December-June delivery at the current prices. Takings were slightly broader than in recent weeks. Estimated production of ammonia from by-product coke operations in October, expressed in terms of the sulphate of ammonia equivalent of all forms of by-product ammonia, was 65,082 tons, according to the Bureau of Mines. This was the largest monthly total in recent years, and represented an increase of 6.2 percent over the September output of 61,256 tons, and compared with 47,930 tons in October, 1935. The estimated output for the first ten months of this year was 575,213 tons, against 429,803 tons in the corresponding months of 1935. The production for the first ten months of this year was greater than the 531,710 tons produced in the entire year 1935. Only once this year has the monthly production been below 50,000 tons, and the August, September and October estimates have been above 60,000 tons.

Dried Blood.—Although there have been no sales in New York since $3.75 per unit was accepted, the quoted position seemed firm at the moment at $3.90 per unit. Reports from Chicago vary with the $4 per unit mentioned in some directions and $4.15 to $4.25 per unit in others. The imported article held at the recently advanced level of $3.85 per unit.

Fish Scrap.—There was no unground menhaden material offered last week, and, according to the gossip of the market, a buyer would have to pay $3.75 and 10c. or more if the article was available at resale sources. First hands have no scrap to offer. The ground material in Baltimore was posted at $48 to $50 per ton. Japanese sardine meal freights were difficult to obtain, and the prices quoted showed a daily fluctuation. The latest quotations ranged from $42.50 to $43.50 per ton for shipment from abroad, basis c.i.f.

Hoof Meal.—Although the market had been quoted around $2.85 per unit at Chicago, latest reports indicated a market price of $2.75 to $2.80 per unit.

Nitrogenous Material.—The imported article held at the recently established figure of $3.10 per unit, at which basis a sale was registered a week ago. The domestic prices were stronger. Recent reports that the production at Chemical had been virtually disposed of were followed by a report that, while the production was fairly well sold, the sellers may have a little material available after the first of the year, depending upon their receipts of raw material. The quotation at that point was now $3 per unit. The Norfolk price advanced 25c. to the basis of $3.25 per unit.

Tankage.—The New York market was higher. Parcels of ground or unground available for sale were quoted at $4 and 10c. per unit-ton, an increase of 15c. per unit-ton over the asked price a week ago. Fertilizer and feeding grades in Chicago continues without price change. The imported article was also unchanged.

Potashes

Potash salts are now offering at list prices, without discount. The discount offering expired at the end of last month There was not much buying activity at the 2 percent discount offering, as most of the trade was believed to have been amply covered on requirements by purchases made at the 12 percent discounts available earlier in the season. The market was expected to continue its current quiet until the spot season. As reported previously, the tie-up of marine shipping facilities on the West coast may force sellers of the California product to ship by rail.

Phosphates

Bone materials in the West reversed their trend of a week ago, and meal prices were lower, while raw and steamed bones moved higher. Imported bone materials did not alter their position of a week ago. Deliveries of superphosphate against contract were reported at a little faster rate, but the market was still described as having been slow.

Bone Materials.—Chicago bone products resume their position of a fortnight ago. Prices for 3 and 50 bone meal returned to the level of $18 to $19 per ton; 4½ and 50 raw bone advanced $1 per ton to the basis of $23 to $24 per ton, and 1¼ and 60 steamed bone advanced $1 per ton to the level of $17 to $18 per ton. South American raw bone continued nominal at $30.50 per ton, and the domestic article at Atlantic ports was nominal at $32.50 per ton.

Superphosphate.—The sellers reported a little faster movement of material against contract, but the market was still described as having been slow. The price situation continued without change.

Sulphur and Pyrites

Deliveries of sulphur were being made with regularity over usual routes. Takings against contracts and spot business was fairly active and the market lacked developments of a new or important nature. Prices continued unchanged at the long-standing basis of $18 per long ton at the mines.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Markets at Other Centers

Atlanta, Dec. 3.—The fertilizer material market was quiet but steady. The scheduled advance of sulphate of ammonia became effective Tuesday. Prices of packing house ammoniate were quoted higher, also cottonseed meal.

Fall use of commercial fertilizers in the Tennessee valley was reported off, due to the increased use of free phosphate provided by TVA for demonstration purposes. Large quantities were also reported distributed to farmers outside of the valley, from the government's Muscle Shoals phosphate plant.

Quotations of this market are as follows:—

SUPERPHOSPHATE.—$11.30 per ton, interior producing points.
NITRATE OF SODA.—$25.50 per ton, bulk, port basis.
SULPHATE OF AMMONIA.—$26 per ton, ports, and f.o.b. southern producing points.
COTTONSEED MEAL.—$31 per ton, 7 percent grade, interior mills.
NITROGENOUS.—$2.85 per unit, midwest; $3 per unit, ports.
BLOOD.—$4.25 per unit, Chicago; $3.85, port basis.
TANKAGE.—$3.60 to $3.75 and 10c. per unit, Chicago; imported, $3.90 and 10c., port basis.

Baltimore, Dec. 3.—Trading in crude fertilizer materials was reduced to very small proportions. The undercurrent of price firmness, which had been noted before, continued. The current quotations were as follows:—

FISH SCRAP.—There has been a virtual clean-up of stocks of unground menhaden at the factories on the lower Chesapeake Bay, and buyers would find it hard to turn up any quantity of this material. The last sales recorded here were closed at $3.50 and 10c. at factory. Fishing steamers continue to operate along the Carolina coast, but the results have not proved very impressive, nor is it known here at what figure the fishing companies would sell scrap. Japanese sardine meal has tightened up, with sellers asking $43 to $43.50 per ton. Domestic menhaden meal is held at $48 to $50 per ton.

TANKAGE.—Good grade stocks were held at $3.75 and 10c. to $3.80 and 10c. per unit-ton.

BLOOD.—Quotations were around $4 per unit-ton, c.a.f. basis Baltimore.

SUPERPHOSPHATE.—Producers talk of firmness in the market.

GARBAGE TANKAGE.—It was not easy to figure out the price level, though it was estimated that transactions could be worked at $8 per ton at shipping point, which would make the price here approximately $12 per ton, or around $4.10 and 70c. per unit-ton.

BONE.—Prices were $31 to $32 per ton for 4½ and 50 ground raw stocks and $27 to $28 per ton for 3 and 50 ground steamed.

Chicago, Dec. 3.—A fair scale of trade has been prevailing in the fertilizer markets here in spite of the fact that the general aspect of the market for most items has been one of dullness. Lack of feature is causing buyers to maintain only a limited amount of contact with the market, and inquiries were only fair. Blood has been subject to a certain amount of call, and the price structure seemed firm, with the foreign product mostly in a quiet situation. Tankage business has been of fair volume, prices not much changed. Bone materials were largely marking time, with a few non-significant price changes reported here and there.

BLOOD.—Principal grade, $4 to $4.10 per unit of ammonia.

TANKAGE.—High grade, $4.15 to $4.30 and 10c.; low grade, $18 to $20, middle West; liquid stick, $2.35 to $2.40; hoof meal, $2.75 to $2.80.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $17 to $18; 3 and 50 percent, $18 to $20; 4½ and 50 percent, $23 to $24; grinding hoofs, pigs' toes and waste horn materials, $19 to $21; junk and hotel kitchen bones, $17 to $19; cattle jaws, skulls and knuckles, $26 to $27; pork cracklings, soft pressed, $55 to $60; beef cracklings, soft pressed, $50 to $55; hard pressed cracklings, per unit of protein, 90c. to 95c.

San Francisco, Dec. 1.—Organic ammoniates registered stronger in this market, and this was particularly noticeable in California sardine meal, which jumped $4.50 per ton during the week in successive rises. Blood and tankage were also rising, more active. In fish meals the market was influenced to some extent by a conflagration which destroyed three large sardine plants in the Monterey area, resuling in a brisk demand for meal for replacement purposes. The trade here was wearying of the strike. Certain imported items on contract were being replaced in some cases with domestic products, but mixers are finding themselves hard pressed nevertheless. There was a little interest current in sulphate of ammonia.

Ruling prices were:—

NITRATE OF SODA.—100-pound bags, $28 per ton; 200-pound bags, $27.50 per ton; and bulk lots, $26 per ton, all ex vessel San Francisco-Oakland.

AMMONIA PHOSPHATE.—Quoted at $38 per ton, single bags; $38.50 per ton, paper-lined bags, f.o.b. cars, San Francisco; basis 16 percent N., 20 percent P.A.

SULPHATE OF AMMONIA.—Quoted at $27.50 per ton, f.o.b. cars in 100-pound bags, San Francisco and Los Angeles harbor, and $28.50 per ton, delivered inland California points, excepting Imperial Valley and San Diego county. Latter points, $29.50. Prices good for delivery to June, 1937.

POTASH NITRATE.—100-pound bags, $33 per ton ex vessel or warehouse, San Francisco-Oakland.

SUPERPHOSPHATE.—Domestic quoted at 75c. to 80c. per unit in bulk, f.o.b. San Francisco and Los Angeles harbor; bags, 85c. to 90c. per unit. Foreign material, 67½c. to 70c. per unit, in bags, c.i.f. Pacific Coast.

FISH MEALS.—California sardine meal

Sulphur Freights Cut

WASHINGTON, Dec. 2, 1936.

The Interstate Commerce Commission has granted authority, under certain conditions, for establishment of lower rates on crude sulphur, carloads, from Edgewater, Hoboken, Jersey City, and Warner's, N. J., and New York City, to Buffalo, Dexter, Echota, Niagara Falls, and Ogdensburg, N. Y., and for maintenance of lower rates to intermediate points. The relief is granted to meet competition of water carriers.

Potash Project in Japan

A professor at the Tokyo Imperial University is said to have obtained a patent for a process of treating the residual seawater brines of the Japanese salt industry to produce sulphate of potash. This process, according to information received by the Department of Commerce from the assistant trade commissioner at Tokyo, involves the treatment of the brines with sulphate of alumina, the reagent being recovered for further use.

It is estimated that 18,000 metric tons of sulphate of potash could be produced annually from the residual brines of the salt industry. At present these brines are used to some extent for the production of chloride of magnesia.

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quoted at $40 per ton, prompt to deferred shipment, f.o.b. cars, Monterey-San Francisco. Japanese meal quoted at $33.25 per ton, c.i.f. Pacific Coast, January-March shipment.

TANKAGE.—Local packing house tankage, ground, fertilizer grade, quoted at $3.25 and 10c. per unit-ton, f.o.b. cars, San Francisco, and $3.50 per unit-ton, Los Angeles. Dry rendered, domestic ground, quoted at 95c. per unit of protein, f.o.b. cars, San Francisco. Unground, dry rendered, quoted at 85c. per unit.

BONE MEAL.—Domestic steamed bone meal, quoted in range, according to quality and seller, from $28 to $32 per ton, delivered Pacific Coast ports. Imported, lower grade fertilizer meal, quoted at $24.

BLOOD.—Domestic quoted nominally at 3.50c. per unit, f.o.b. cars, San Francisco and Los Angeles; Argentine nominal.

Japan Effects Fertilizer Control

The regulations governing the operation of fertilizer manufacturers in Japan under the major industry control law have been announced and became effective November 15. The outstanding feature of the regulations is that they require the associations of the manufacturers of the fertilizers involved to report to the Department of Commerce and Industry and the Department of Agriculture and Forestry as to their production quotas and sales prices one month before decisions on these matters go into effect. Further details, in the form of a report submitted to the Department of Commerce by the assistant trade commissioner at Tokyo, are available to interested American inquirers upon request of the Chemical Division of the Bureau of Foreign and Domestic Commerce, Washington.

Fuller Joins Devoe & Raynolds Industrial Sales Department

Wayne R. Fuller, former technical director of Pratt & Lambert, Inc., paint, varnish and lacquer manufacturers, Buffalo, now heads the development work of the industrial sales department of Devoe & Raynolds, Inc., Louisville. Mr. Fuller is a native of Payne, Ohio, and is 43 years old. He was educated in the public schools of Kiltsville, Mo., and later graduated from Northeast Missouri Teachers' College. For two years, Mr. Fuller taught high school in Missouri and attended the University of Missouri, receiving his B. S. degree in 1916. He was a graduate student and instructor of chemistry at the university until the World War when he went to France with the A. E. F.

Mr. Fuller became associated with Pratt & Lambert in 1919 as assistant to the manager of the industrial sales division. He was advanced to manager and later appointed technical director, which post he held for 12 years. He has been active in several scientific societies. He was chairman of the division of paint and varnish chemistry for the American Chemical Society in 1935 and also represented the paint industry on the American Society for Testing Materials committee on papers and publications. He also has been a member of the technical advisory committee of the Federation of Paint and Varnish Production Clubs.

Traylor Co. Joins Benj. Moore

The Minehart Traylor Company, Denver, has become associated with Benjamin Moore & Co., and the Denver firm's plant will be a branch factory of the Moore company. The Minehart company for the last four years has sold Moore products in its territory, but will now manufacture them also. Frank Traylor, president of the Denver company, will also serve as manager of the Moore branch, while Leo T. Hanigan, secretary of the Denver firm, will be assistant manager in the new arrangement.

Shipping Information

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Imports at U.S. Ports

New York Imports

ACID, ACETIC—3 cs, American Trader, London
ADIPIC—18 bbls, 2,232 lbs, E I DuPont de Nemours Co, Deutschland, Hamburg
CRESYLIC—98 dms, 47 tons, 13 cwt, 7 lbs, American British Chem Supplies, Lancastria, Liverpool
25 dms, 5 tons, 16 cwt, 3 qtrs, 5 lbs, Lancastria, Liverpool
86 dms, 20 tons, 5 cwt, 3 qtrs, 10 lbs, American Cyanamid & Chem Co, Lancastria, Liverpool
TARTARIC—1 ck, Leghorn Trading Co, Exeter, Genoa
ADEPS LANAE—4 cs, Burroughs, Wellcome & Co, American Trader, London
86 bbls, 12 tons, 5 cwt, 2 qtrs, 24 lbs, C Tennant Sons & Co, Lancastria, Liverpool
AGAR AGAR—10 bls, Peek & Veisor, Awobasam, Kobe
10 bls, S B Penick & Co, Awobasan, Kobe
35 bls, Mitsui & Co, Awobasan, Kobe
5 bls, Anglo California Natl Bank, Tai Shan, Kobe
25 bls, Chase Natl Bank, Tai Shan, Kobe
ALBUMEN, BLOOD—1 ck, 7 cwt, 1 qtr, 15 lbs, Rawlplug Co, Lancastria, Liverpool
EGG, HEN—32 pkgs, Stein, Hall & Co, Nagara, Shanghai
ALCOHOL—1 dm, Geo Silver Import Co, Independence Hall, Havre
FATTY—5 bbls, 2,651 lbs, E I Du Pont de Nemours Co, Deutschland, Hamburg
ALLYL CHLORIDE—ISOPROPYL BROMIDE—3 dms, 3,777 lbs, Hoffmann La Roche, Sarcoxie, Havre
ALOE—300 cs, Selma Mercantile Corp, Carabobo, Aruba
300 cs, Flora, Curacao
ALUMINA SULPHATE—25 cks, Jungmann & Co, President Polk, Marseilles
ALUMINUM, LEAF—27 cs, Globe Shipping Co, Deutschland, Hamburg
42 cs, F C Gerlach & Co, Deutschland, Bremen
34 cs, Rohner, Gehrig & Co, Deutschland, Bremen
AMMONIA, CARBONATE—10 dms, American British Chem Supplies, Caledonia, Glasgow
10 cs, 1 ton, 1 cwt, 2 qtrs, 12 lbs, J Turner & Co, Lancastria, Liverpool
PERCHLORATE—70 kgs, 8,892 lbs, International Selling Corp, Sarcoxie, Havre
SULPHATE—850 bgs, Bradley & Baker, Binnendijk, Rotterdam
1 bg, Garrigues, Stewart & Davies, Lancastria, Liverpool
SULPHOICHTHYOLATE—50 cs, 6,160 lbs, Exeter, Genoa
AMMONIAC SAL—60 bbls, 17,380 lbs, E I Du Pont de Nemours Co, Sagaporack, Gdynia
ANISE—50 bgs, 2 tons, 9 cwt, 23 lbs, Chemical Bank & Trust Co, Lancastria, Liverpool
STAR—271 bgs, E E Marks & Co, Exeter, Marseilles
200 bgs, S B Penick & Co, Awobasan, Hongkong
100 bgs, R J Prentiss & Co, Awobasan, Hongkong
25 bgs, Wah Young Co, Tai Shan, Hongkong
ANTIMONY ORE—230 bgs, Philipp Bros, Santa Clara, Antofagasta
ARCHIL LIQUID—3 cks, 1 ton, 2 cwt, 2 qtrs, 10 lbs, C H Reisig, Lancastria, Liverpool
ARROWROOT—100 bgs, 500 bbls, Morningstar Nicol, Nerissa, St Vincent
ARSENIC, RED—50 cks, 12,210 lbs, American Cyanamid & Chemical Co, Deutschland, Hamburg
WHITE—200 cs, H H Rosenthal Co, Awobasan, Yokohama
ARTISTS MATERIAL—3 cs, Winsor & Newton, American Merchant, London
4 cs, Gallagher & Ascher, Black Falcon, Rotterdam
ASBESTOS—4,000 bgs, Asbestos, Ltd, Exeter, Alexandria
800 bgs, Raw Asbestos, Ltd, C H Cramp, Beira
1,052 bgs, Johns-Manville Corp, C H Cramp, Capetown
200 bgs, Standard Bank S A, C H Cramp, Capetown
ASPHALT—31 bgs, Chaplain & Bibbo, Siboney, Vera Cruz
1,229 bbls, Chile Exploration Co, Nerissa, Trinidad
1 car, A V Berner & Co, Seatrain New York, Havana
BABASSU KERNELS—496 bgs, Franklin Baker Co, Bonifacе, Parnambuco
13,002 bgs, Franklin Baker Co, Bayard, Marahan
BARIUM CHLORATE—20 kegs, 2,486 lbs, International Selling Corp, Sarcoxie, Havre
HYDRATE—11 cks, American Trader, London
BARYTES—660 bgs, 75,900 lbs, Whittaker, Clark & Daniels, Deutschland, Bremen
BISMUTH, REF'D—150 cs, Cerro De Pasco Copper Co, Santa Clara, Callao
BRISTLES—4 cs, Rubberset Co, American Trader, London
14 cs, American Trader, London
5 cs, M Broverman & Son, American Trader, London
13 cs, Chesnut, Cooper & Co, American Trader, London
55 cs, N Wagman & Co, City of Rayville, Tsingtao
39 cs, Philadelphia National Bank, Nagara, Shanghai
5 cs, S Hirshenborn & Son, Nagara, Dairen
1 cs, Nagara, Dairen
8 cs, F H Cone & Co, Nagara, Kobe
10 cs, Iwai & Co, Nagara, Kobe
52 cs, S Rosenhirsch Co, Nagara, Tientsin
40 cs, Kane Manufacturing Co, Nagara, Tientsin
8 cs, F H Cone & Co, Awobasan, Yokohama
16 cs, Globe Shipping Co, Deutschland, Hamburg
106 cs, N Wagman & Co, Wales, Shanghai
23 cs, S Rosenhirsch Co, Wales, Shanghai
50 cs, Wales, Shanghai
50 cs, F H Cone & Co, Wales, Kobe
25 cs, F H Cone & Co, Wales, Shanghai
50 cs, Samuel Zeitlins Sons, Wales, Shanghai
7 cs, Continental Bank Trust Co, Ascania, London
58 cs, American Merchant, London
52 cs, Chesnut, Cooper & Co, American Merchant, London
2 cks, Drabger Shipping Co, American Merchant, London
28 cs, Philadelphia National Bank, President Polk, Shanghai
11 cs, Bank of London South America, President Polk, Shanghai
50 cs, Block Bros, Tai Shan, Shanghai
BRISTLES—7 cs, W E Wallace & Son, Tai Shan, Shanghai
110 cs, N Wagman & Co, Tai Shan, Tsingtao
5 cs, F H Cone & Co, Tai Shan, Shanghai
30 cs, N Wagman & Co, Tai Shan, Tientsin
BRONZE POWDER—66 dms, 24,739 lbs, Deutschland, Hamburg
10 cs, J T Coates, Deutschland, Bremen
BUCHU LEAVES—5 bls, J L Hopkins & Co, Queen Mary, Southampton
CALCIUM, TARTRATE—200 bgs, Ionan Bank, Exmoor, Volos
250 bgs, Bank Credit Commi Hellenique, Exmoor, Piraeus
376 bgs, Bunge North American Grain Co, Western Prince, Buenos Aires
CAMPHOR, CRUDE—1,713 cs, Mitsui & Co, Nagara, Keelung
REFINED—315 cs, Mitsui & Co, Awobasan, Kobe
125 cs, Mitsubishi Shoji Kaisha, Wales, Kobe
CANARY SEED—250 bgs, Carl Gerdau, Exmoor, Istanbul
125 bgs, Exmoor, Istanbul
2,320 bgs, Exmoor, Rodosto
245 bgs, A G Dunn, Exmoor, Istanbul
490 bgs, A G Dunn, Exmoor, Rodosto
CARAWAY SEED—200 bgs, 22,000 lbs, O Gerdau Co, Binnendijk, Rotterdam
50 bgs, 5,500 lbs, Catz American Co, Binnendijk, Rotterdam
100 bgs, 11,000 lbs, Levy & Levis Co, Binnendijk, Rotterdam
100 bgs, 11,000 lbs, Knickerbocker Mills Co, Black Falcon, Rotterdam
CASSIA—50 bls, Wood & Selick, City of Rayville, Hongkong
1,000 bls, Knickerbocker Mills Co, City of Rayville, Hongkong
100 bls, B Fischer & Co, City of Rayville, Hongkong
150 bls, Gillespie & Co, Nagara, Hongkong
400 bls, Knickerbocker Mills Co, Nagara, Hongkong
50 bls, Nagara, Hongkong
100 bls, Knickerbocker Mills Co, Awobasan, Hongkong
100 bls, B Fischer & Co, Awobasan, Hongkong
BROKEN—312 bls, Philadelphia Natl Bank, City of Rayville, Haiphong
416 bls, Tai Shan, Hongkong
ROLLS—100 bls, Van Loan & Co, Nagara, Hongkong
CASTOR BEANS—5,101 bgs, Baker Castor Oil Co, Boniface, Camocim
6,769 bgs, Boniface, Camocim
1,685 bgs, Wessel, Duval & Co, Bayard, Ceara
1,667 bgs, Baker Castor Oil Co, Western Prince, Rio Janeiro
2,805 bgs, Baker Castor Oil Co, Lages, Santos
10,160 bgs, Lages, Santos
3,412 bgs, Baker Castor Oil Co, Lages, Rio Janeiro
846 bgs, Guaranty Trust Co, Lages, Rio Janeiro
6,430 bgs, Lages, Bahia
1,693 bgs, Lages, Pernambuco
2,550 bgs, Baker Castor Oil Co, Janna, Bahia
3,400 bgs, Janna, Bahia
5,079 bgs, Boniface, Pernambuco
2,547 bgs, Baker Castor Oil Co, Boniface, Bahia
1,700 bgs, Spencer, Kellogg & Sons, Boniface, Bahia
850 bgs, National City Bank, Boniface, Bahia
1,694 bgs, Boniface, Bahia
3,400 bgs, National City Bank, Boniface, Pernambuco
2,550 bgs, Baker Castor Oil Co, Boniface, Pernambuco
847 bgs, Boniface, Parnahyba
5,021 bgs, Boniface, Ceara
CELERY SEED—20 bgs, 4,400 lbs, Joensson Import Co, Exeter, Marseilles
50 bgs, 6,600 lbs, I Harrison & Whitney, Exeter, Marseilles
90 bgs, City of Evansville, Colombo
CHALK, BLOCK—2,562,000 kilos, Taintor Trading Co, Sarcoxie, Dunkirk
2,750 tons, Taintor Trading Co, Listo, London
2,000,000 kilos, Taintor Trading Co, Independence Hall, Dunkirk
COMMON—1,000 bgs, R L Watkins Co, American Merchant, London
PRECIPITATED—96 bgs, Eli Lilly & Co, American Merchant, London
125 bgs, 50 cks, 18 tons, 4 cwt, 2 qtrs, 26 lbs, H J Baker & Bros, Lancastria, Liverpool
CHEMICALS—14 dms, 2 cks, Advance Solvents & Chem Co, Binnendijk, Rotterdam
38 cks, Innis, Speiden & Co, Binnendijk, Rotterdam
25 bbls, Philip Bauer & Co, Binnendijk, Rotterdam
24 cs, 33 dms, Michel Export Co, Binnendijk, Rotterdam
100 dms, American Cyanamid & Chem Co, Binnendijk, Rotterdam
8 cs, 8 cks, Merck & Co, Binnendijk, Rotterdam
10 cs, Wm Neuberg, Binnendijk, Rotterdam
20 cs, 2,816 lbs, Deutschland, Hamburg
579 bgs, 93,825 lbs, Sherka Chem Co, Deutschland, Hamburg
1,524 bgs, 337,737 lbs, Advance Solvents & Chem Co, Deutschland, Hamburg
10 dms, 2,442 lbs, Cuno Sievers, Deutschland, Hamburg
7 bbls, National City Bank, Deutschland, Hamburg
2 cs, 228 lbs, American Cyanamid & Chem Co, Deutschland, Hamburg
1 cs, 3 dms, Jungmann & Co, Deutschland, Hamburg
5 cs, Schimmel & Co, Deutschland, Hamburg
50 bbls, 25,410 lbs, Deutschland, Hamburg
51 cks, 29,620 lbs, Deutschland, Hamburg
25 cks, 11,950 lbs, Deutschland, Bremen
125 cks, 58,850 lbs, C J Osborn & Co, Deutschland, Bremen
150 cks, 71,940 lbs, Reichard Coulston, Deutschland, Bremen
27 cks, Deutschland, Hamburg
4 dms, 14 bbls, F J Mearwalter & Co, Deutschland, Bremen
10 cks, 5 dms, 6 cs, Pfaltz & Bauer, Deutschland, Bremen
50 bgs, 11,000 lbs, Innis, Speiden & Co, Deutschland, Bremen
10 cs, Burroughs, Wellcome & Co, Ascania, London
3 cs, Yardley & Co, American Merchant, London
1,000 bgs, 114,400 lbs, Black Falcon, Antwerp
8 cs, Black Falcon, Antwerp
CHEMICALS—23 dms, Innis, Speiden & Co, Black Falcon, Rotterdam
1 dm, Advance Solvents & Chem Co, Black Falcon, Rotterdam
25 cks, 4,796 lbs, Black Falcon, Rotterdam
25 cks, 6,523 lbs, Black Falcon, Rotterdam
30 demjs, 4,573 lbs, Black Falcon, Rotterdam
40 cs, Bergstrom Trading Co, Scanpenn, Copenhagen
CHILLIES—85 bls, C H Cramp, Mombasa
100 bls, Joensson Import Corp, Wales, Kobe
341 bls, Barclay Bank, City of Evansville, Port Sudan
CHINA CLAY—166 bbls, 48,752 lbs, Eagle Pencil Co, Deutschland, Hamburg
15 cks, E Fougera & Co, American Merchant, London
10 cks, American Merchant, London
55 bgs, 2 tons, 1 cwt, 2 qtrs, English China Clay Sales Corp, Lancastria, Liverpool
CHROME ORE—2,414 tons, 16 cwt, 3 qtrs, 4 lbs, E J Lavino & Co, C H Cramp, Beira
OXIDE—10 bbls, 5,739 lbs, E W C Toepfer, Deutschland, Hamburg
CHROMITE ORE—218 tons, Awobasan, Manila
130 tons, Tai Shan, Manila
CINCHONA BARK—24 bls, 2,296 lbs, E Mosheim, Santa Clara, Guayaquil
PRODUCTS—6 cs, R W Greeff & Co, Binnendijk, Rotterdam
CINNARAR—42 bbls, 5 cs, 11,712 lbs, A Hurst & Co, Exchester, Leghorn
CLOVES—78 bgs, Catz American Co, Tuscaloosa City, Batavia
85 bgs, Catz American Co, Siamese Prince, Macassar
COALTAR DERIVATIVE—9 cks, General Aniline Works, Binnendijk, Rotterdam
INTERMEDIATES—25 cks, 85 dms, General Aniline Works, Binnendijk, Rotterdam
3 kgs, American Trader, London
7 cks, General Dyestuff Corp, Deutschland, Hamburg
51 dms, 13 cks, General Dyestuff Corp, Binnendijk, Rotterdam
COATING POWDER—98 bgs, 10,797 lbs, Philipp Bros, Deutschland, Hamburg
COBALT METAL—50 cks, Central Trading Corp, Jean Jadot, Antwerp
OXIDE BLACK—25 bbls, 9,629 lbs, Central Trading Corp, Scanpenn, Wiborg
COCOA BEANS—24 bgs, Mecke & Co, Falcon, Maracaibo
224 bgs, Gillespie & Co, Cherokee, Sanchez
181 bgs, Curacao Trading Co, Cherokee, Sanchez
125 bgs, Machado & Co, Cherokee, Porto Plata
600 bgs, W & A Leaman, Martinique, Jeremie
105 bgs, Curacao Trading Co, Martinique, Jeremie
250 bgs, Irving Trust Co, Martinique, Jeremie
75 bgs, Curacao Trading Co, Martinique, Cape Haitien
222 bgs, Transmarine Mercantile Corp, Cape Haitien
50 bgs, Martinique, Cape Haitien
36 bgs, Lopez & Manquel, Carabobo, Curacao
12 bgs, Mecke & Co, Carabobo, Curacao
36 bgs, P R Rincones Jr & Co, Carabobo, La Guaira
150 bgs, Royal Bank of Canada, Bestum, Grenada
250 bgs, Gordon Grant & Co, C H Cramp, Trinidad
1,000 bgs, C H Cramp, Trinidad
500 bgs, Gordon Grant & Co, Western Prince, Trinidad
250 bgs, Western Prince, Trinidad
600 bgs, Fruit Dispatch Co, Veragua, Porto Limon
12,000 bgs, Balfour Guthrie & Co, West Lashaway, Accra
6,400 bgs, Balfour Guthrie & Co, West Lashaway, Winnebah
1,600 bgs, Balfour Guthrie & Co, West Lashaway, Saltpond
2,400 bgs, Balfour Guthrie & Co, West Lashaway, Cape Coast
41,920 bgs, Balfour Guthrie & Co, West Lashaway, Takoradi
740 bgs, Wood & Selick, West Lashaway, Takoradi
100 bgs, Daarnbouwer & Co, City of Khios, Samarang
500 bgs, Curacao Trading Co, Coamo, Trujillo
200 bgs, Nerissa, Grenana
97 bgs, W & A Leaman, Haiti, Cape Haitien
300 bgs, Struller & Wood, Flora, Petit Goave
1,600 bgs, Barclay Bank, Boonant, Accra
19,050 bgs, Balfour, Guthrie & Co, Boonant, Accra
14,400 bgs, G B Ollivant, Boonant, Accra
1,600 bgs, Barclay Bank, Boonant, Winnebah
2,400 bgs, Balfour, Guthrie & Co, Boonant, Saltpond
9,990 bgs, Balfour, Guthrie & Co, Boonant, Cape Coast
26,790 bgs, Balfour, Guthrie & Co, Boonant, Takoradi
3,353 bgs, Balfour, Guthrie & Co, Boonant, Winnebah
300 bgs, Curacao Trading Co, Stuyvesant, Curacao
185 bgs, Schutte & Focke, Stuyvesant, Curacao
167 bgs, Struller & Wood, Stuyvesant, Curacao
243 bgs, Stuyvesant, Curacao
750 bgs, Nortz & Co, Lages, Rio de Janeiro
450 bgs, Lages, Rio de Janeiro
1,660 bgs, Lages, Bahia
600 bgs, W R Grace & Co, Santa Clara, Guayaquil
2,000 bgs, National City Bank, Janna, Bahia
13,500 bgs, Nieschlog & Co, Janna, Bahia
250 bgs, Bank of London South America, Jana, Bahia
3,000 bgs, Rockwood & Co, Boniface, Bahia
2,300 bgs, Nortz & Co, Boniface, Bahia
500 bgs, W Howes & Co, Boniface, Bahia
2,000 bgs, Wood & Selick, Boniface, Bahia
9,500 bgs, Farr & Co, Boniface, Bahia
1,000 bgs, Wessel, Kulenkampf & Co, Boniface, Bahia
1,700 bgs, Wessel, Duval & Co, Boniface, Bahia
500 bgs, C M Loeb & Co, Boniface, Bahia
1,573 bgs, Boniface, Bahia
COCONUTS—760 bgs, 76,000 lbs, Durkee Famous Foods, Bestum, Trinidad
210 bgs, 21,000 lbs, Durkee Famous Foods, Bestum, St Vincent
250 bgs, 25,000 lbs, Bestun, Grenada
230 bgs, 23,000 lbs, Bestun, Demerara
500 bgs, 50,000 lbs, Standard Fruit S S Co, Gatun, Honduras
194 bgs, 19,400 lbs, P R Fruit Exchange, Coamo, San Juan
30 bgs, 3,000 lbs, R Rios, Coamo, San Juan
COCONUTS—50 bgs, 5,000 lbs, G Monro, Coamo, San Juan
380 bgs, 38,000 lbs, Durkee Famous Foods, Nerissa, Trinidad
1,085 bgs, 108,500 lbs, Durkee Famous Foods, Nerissa, St Vincent
782 bgs, 78,200 lbs, Durkee Famous Foods, Nerissa, St Lucia
40 bgs, 4,000 lbs, Barclay Bank, Nerissa, St Lucia
280 bgs, 28,000 lbs, Franklin Baker Co, Haiti, Cristobal
250 bgs, 25,000 lbs, J A Manton, Haiti, Kingston
1,015 bgs, 101,500 lbs, A N Leakway & Co, Haiti, Kingston
1,833 bgs, 183,300 lbs, Franklin Baker Co, Haiti, Kingston
452 bgs, 45,200 lbs, Universal Import & Export Co, Haiti, Kingston
600 bgs, 60,000 lbs, Far Eastern Manufacturing Co, Haiti, Kingston
500 bgs, 50,000 lbs, K Lundt & Co, Haiti, Kingston
1,000 bgs, 100,000 lbs, Fruit Dispatch Co, Haiti, Kingston
200 bgs, 20,000 lbs, Franklin Baker Co, Stuyvesant, Demerara
1,450 bgs, 145,000 lbs, I L Toledano Corp, Buenaventura, Colon
COCONUT, DESIC—249 cs, Balfour, Guthrie & Co, City of Rayville, Manila
350 cs, J H Vavasseur & Co, City of Evansville, Colombo
250 cs, J H Vavasseur & Co, Siamese Prince, Colombo
900 cs, Connell Bros, Tai Shan, Davao
2,000 cs, Franklin Baker Co, Tai Shan, Manila
1,517 cs, Durkee Famous Foods, Tai Shan, Manila
CODLIVER MEAL—810 bgs, Consumers Import Co, Tai Shan, Yokohama
COLORS—1 cs, B F Drakenfeld & Co, American Trader, Havre
154 cs, E I Du Pont de Nemours Co, American Trader, Havre
1 cs, Hensel, Bruckmann & Lorbacher, Deutschland, Hamburg
6 cks, Kentler Bros, Black Falcon, Antwerp
ARTISTS—3 cs, Winsor & Newton, American Trader, London
EARTH—48 cks, 36,522 lbs, Calco Chemical Co, Deutschland, Bremen
MINERAL—100 bgs, 14 cks, Robinson, Wagner Co, Ascania, Southampton
SUGAR—9 cs, W C Lisbye, Scanpenn, Copenhagen
CORIANDER SEED—82 bgs, Front Bros, Pilsudski, Gdynia
516 bgs, 55,484 lbs, Knickerbocker Mills Co, Exchester, Casablanca
CORK SHAVINGS—325 bls, Johnson Turner Trading Co, Exmoor, Djidjello
VIRGIN—2,986 bls, Exchester, Casablanca
WASTE—1,732 bls, Exmoor, Djidjello
886 bls, L Mundet & Sons, Exchester, Lisbon
WOOD—92 bls, H Suhl, Exmoor, Djidjello
1,196 bls, Exmoor, Djidjello
CORNSILK—62 bls, 5,897 lbs, S B Penick & Co, Exchester, Genoa
21 bls, 4,353 lbs, Peek & Velsor, Exchester, Genoa
20 bls, 4,336 lbs, R J Prentiss & Co, Exchester, Genoa
20 bls, 4,549 lbs, Allaire Woodward & Co, Exchester, Genoa
COTTON LINTERS—174 bls, H H Keller & Co, Western Prince, Santos
113 bls, Lages, Pernambuco
CRESOL—10 kgs, 10 dms, 5 tons, 11 cwt, 3 qtrs, 32 lbs, Monsanto Chem Co, Lancastria, Liverpool
CUBEBS—33 bgs, President Polk, Singapore
CUTCH—1,000 cs, Sig Saxe, Rhexenor, Singapore
CUTTLEFISH BONES—80 cs, Vulcania, Trieste
157 cs, Frank Vliet Co, Vulcania, Trieste
DERRIS ROOT—272 bls, Goodyear Tire & Rubber Co, Rhexenor, Singapore
DOGWOOD BARK—111 bgs, S B Penick & Co, Haiti, Kingston
DRAGONS BLOOD—10 cs, Bank of Manhattan, President Polk, Singapore
DRUGS—1 cs, Exeter, Marseilles
CRUDE—56 cs, Central Hanover Bank & Trust Co, Ascania, London
DYES—10 cks, Ozalid Corp, Binnendijk, Rotterdam
ALIZARIN—7 dms, 54 cks, 22 jugs, General Dyestuff Corp, Binnendijk, Rotterdam
23 cks, General Dyestuff Corp, Deutschland, Hamburg
ANILIN—2 dms, 117 cks, General Dyestuff Corp, Binnendijk, Rotterdam
5 cks, General Dyestuff Corp, Deutschland, Hamburg
DYESTUFF—84 dms, Nova Chem Corp, Nagara, Kobe
EGG YOLK, HEN—112 cs, Henningsen Bros, Nagara, Tientsin
112 cs, Consumers Import Co, Nagara, Tientsin
46 cs, Pechman & Co, Nagara, Tientsin
EPSOM SALT—300 bgs, Innis Speiden & Co, Deutschland, Bremen
EUPHORBIA—15 bls, City of Evansville, Colombo
ERGOT—34 dms, 2,543 lbs, Exchester, Lisbon
FAT, VEGETABLE—6 cks, 4,215 lbs, Deutschland, Hamburg
FENUGREEK SEED—150 bgs, 33,000 lbs, S B Penick & Co, Exchester, Casablanca
100 bgs, 22,000 lbs, R J Prentiss & Co, Exchester, Casablanca
FERTILIZER—140 bgs, Jean Jadot, Antwerp
NITRATE PHOSPHATE—2,500 bgs, Synthetic Nitrogen Product Corp, Binnendijk, Rotterdam
FILTER PAPER—17 cs, H Reeve Angel & Co, American Trader, London
4 cs, Deutschland, Hamburg
7 cs, H Reeve Angel & Co, Ascania, London
FISHMEAL—1,340 bgs, Bradley & Baker, Fort Townshend, Halifax
FLAXSEED—5,722 tons, 228,880 bus, Archer, Daniels Co, Nordlys, Rosario
8,043 tons, 321,720 bus, Argenti & Co, Mabriton, Bombay
FLEASEED—50 bgs, 11,000 lbs, Kachurin Drug Co, Exeter, Marseilles
140 bgs, Brown Bros Harriman Co, President Polk, Bombay
FLORAL WATER—2 demjs, G Silver Import Co, Exeter, Marseilles
FORMALDEHYDE, SULPHOXYLATE—3 kgs, American British Chem Supplies, Lancastria, Liverpool
FULLER'S EARTH—200 bgs, 44,000 lbs, L A Solomon & Bros, American Trader, London
200 bgs, 44,000 lbs, L A Solomon & Bros, American Merchant, London
150 bgs, 33,000 lbs, C B Chrystal & Co, American Merchant, London
GAMBIER—1,275 cs, New York Trust Co, Rhexenor, Singapore

GELATIN—6 cs, Dingelstedt & Co, Deutschland, Hamburg
17 cs, National Carloading Co, American Merchant, London
POWDERED—100 bgs, R D McLellan, Binnendijk, Rotterdam
GENTIAN ROOT—38 bgs, 9,570 lbs, Exeter, Marseilles
GLASS, PLATE—12 cs, Jean Jadot, Antwerp
1 cs, Semon, Bache & Co, Black Falcon, Antwerp
8 cs, L Solomon & Son, Black Falcon, Antwerp
WINDOW—1,000 cs, Schrenk & Co, Jean Jadot, Antwerp
370 cs, Jean Jadot, Antwerp
10 cs, Leo Popper & Sons, Lancastria, Liverpool
10 cs, Semon, Bache & Co, Black Falcon, Antwerp
GLUE—50 bgs, 70 cks, Rex & Reynolds, Exeter, Marseilles
3 bgs, Rex & Reynolds, Sarcoxie, Havre
400 bgs, National Adhesive Corp, Ascania, London
200 bgs, Vulcania, Trieste
BONE—175 bgs, Pfaltz & Bauer, Deutschland, Hamburg
450 bgs, Vulcania, Trieste
GLYCERIN—36 dms, Exeter, Alexandria
60 dms, Armour & Co, Exeter, Marseilles
1 dm, American Trader, London
61 dms, Lages, Santos
17 dms, President Polk, Alexandria
49 cks, Black Falcon, Rotterdam
GRAPHITE—500 bgs, Potter, Port Said
1,202 bgs, Irving Trust Co, Siamese Prince, Colombo
433 bbls, Asbury Graphite Mills, President Polk, Colombo
GREASE—142 bbls, 300 cs, Robinson, Wagner Co, Wales, Kobe
WOOL—100 dms, 21 tons, 3 cwt, 3 qtrs, 8 lbs, Lancastria, Liverpool
GUM—5 bgs, Gallagher & Ascher, Black Falcon, Rotterdam
ARABIC—50 bgs, J L Hopkins & Co, Potter, Port Said
1 parcel, American Eastern Trading Co, Exeter, Alexandria
150 bgs, City of Evansville, Port Sudan
150 bgs, Paul A Dunkel & Co, City of Evansville, Port Said
ASAFETIDA—6 cs, Peek & Veisor, City of Evansville, Aden
10 cs, R D Heins, City of Evansville, Aden
14 bgs, 20 cs, R J Prentiss & Co, City of Evansville, Aden
BENZOIN—1 cs, Exeter, Marseilles
2 cs, France, Campbell & Darling, President Polk, Singapore
CAROB BEAN—10 cs, 90 bgs, Stein Hall & Co, Exeter, Genoa
50 cs, T M Duche & Sons, President Polk, Genoa
30 cs, 20 bgs, Stein Hall & Co, President Polk, Genoa
CHICLE—166 bls, Chicle Development Co, Platano, Puerto Barrios
COPAL—300 bgs, Gillespie Rogers Pyatt Co, Jean Jadot, Antwerp
100 bgs, Thurston & Braidich, Jean Jadot, Antwerp
80 bgs, W H Scheel, Jean Jadot, Antwerp
50 cs, American Cyanamid & Chem Co, Siamese Prince, Singapore
192 baskets, Thurston & Braidich, Siamese Prince, Macassar
191 baskets, G W S Patterson & Co, Siamese Prince, Macassar
266 baskets, S Winterbourne, Siamese Prince, Macassar
71 baskets, Van Norden & Co, Siamese Prince, Macassar
102 baskets, Stroock & Wittenberg, Siamese Prince, Macassar
158 baskets, O G Innes Corp, Siamese Prince, Macassar
14 bgs, Ascania, Southampton
28 bgs, G W S Patterson & Co, American Merchant, London
407 bgs, Hanson & Orth, President Polk, Manila
DAMMAR—100 cs, Chase Natl Bank, City of Khios, Batavia
50 cs, G W S Patterson & Co, City of Khios, Singapore
140 bgs, O G Innes Corp, City of Khios, Singapore
280 bgs, 50 cs, Stroock & Wittenberg, City of Khios, Singapore
70 bgs, Manufacturers Trust Co, City of Khios, Singapore
10 cs, American Trader, London
10 cs, Deutschland, Hamburg
21 bgs, France, Campbell & Darling, Rhexenor, Singapore
70 bgs, O G Innes Corp, Rhexenor, Singapore
50 cs, Gillespie-Rogers-Pyatt Co, Rhexenor, Singapore
50 cs, Rhexenor, Batavia
70 bgs, Gillespie-Rogers-Pyatt Co, Siamese Prince, Singapore
70 bgs, 50 cs, Strook & Wittenberg, Siamese Prince, Singapore
280 bgs, American Cyanamid & Chem Co, Siamese Prince, Singapore
70 bgs, 50 cs, G W S Patterson & Co, Siamese Prince, Singapore
70 bgs, 75 cs, O G Innes Corp, Siamese Prince, Singapore

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GUM, DAMMAR—200 cs, Sina Java Hvg, Siamese Prince, Batavia
400 cs, Stroock & Wittenberg, Siamese Prince, Batavia
50 cs, Chase Natl Bank, President Polk, Singapore
50 cs, W H Scheel, President Polk, Singapore
210 bgs, Thurston & Braidich, President Polk, Singapore
70 bgs, France, Campbell & Darling, President Polk, Singapore
128 bgs, S Winterbourne & Co, President Polk, Singapore
MASTIC—10 cs, Guaranty Trust Co, Potter, Port Said
OLIBANUM—4 cs, Manilo Marino, Vulcania, Naples
PERILLA—32 bgs, Chicle Development Co, Santa Clara, Cristobal
SANDARAC—30 bbls, Exchester, Casablanca
TRAGACANTH—51 cs, E Meer & Co, Exeter, Beyrouth
28 bgs, J Caponya, Exeter, Marseilles
41 bgs, Paul A Dunkel & Co, American Trader, London
5 cs, American Trader, London
43 bgs, Frank Vliet Co, Ascania, London
17 cs, Ascania, London
2 cs, 5 bgs, American Merchant, London
GYPSUM—2,600 tons, Newark Plaster Co, Nidareid, Hillsboro
2,200 tons, National Gypsum Co, Pluto, Walton
5,150 tons, United States Gypsum Co, Gypsum Empress, Windsor
2,250 tons, National Gypsum Co, Keret, Dingwall
5 cks, American Merchant, London
HARDENING COMP—20 dms, R F Downing Co, American Merchant, London
HENNA LEAVES—156 bgs, Potter, Port Said
HERBS, MEDICINAL—4 bls, 1,095 lbs, G F Doherty Co, Deutschland, Hamburg
50 bls, Vulcania, Trieste
67 bls, Murray & Nickells Manufacturing Co, Vulcania, Trieste
HOPS—130 bls, Manhattan Overseas Co, Pilsudski, Gdynia
12 bls, International Freight & Forwarding Co, Pilsudski, Gdynia
50 bls, Ludwig Bear, Binnendijk, Rotterdam
50 cyls, 127 bls, Bode & Voigt, Deutschland, Hamburg
10 bls, Otto Seidenburg, Deutschland, Hamburg
120 bls, R F Downing & Co, Deuschland, Hamburg
65 bls, Atlantic Forwarding Co, Deutschland, Hamburg
80 bls, Heemsoth, Kerner Corp, Deutschland, Hamburg
10 bls, W J Honan, Deutschland, Hamburg
41 bls, Globe Shipping Co, Deutschland, Hamburg
34 bls, J Barth & Son, Deutschland, Bremen
47 bls, Heemsoth, Kerner Corp, Vulcania, Trieste
54 bls, P H Petry & Co, Black Falcon, Antwerp
100 bls, S S Steiner, Black Falcon, Antwerp
IODINE—1 cs, Chilean Nitrate Sales Corp, Santa Clara, Valparaiso
IPECAC ROOT—4 bgs, Fidanque Bros & Son, Buenaventura, South Pacific Ports
IRON ORE—112 dms, 21 tons, 12 cwt, Reichard-Coulston, Lancastria, Liverpool
OXIDE—35 cks, 1 cs, C J Osborn & Co, American Merchant, London
47 cks, J A McNulty, Lancastria, Liverpool
ISINGLASS—10 cs, P H Petry & Co, Queen Mary, Southampton
JUNIPER BERRIES—231 bgs, P C Kuyper & Co, American Trader, London
LAVENDER FLOWERS—15 bls, 1,650 lbs, Peek & Veisor, Exeter, Marseilles
LECTHIN—6 dms, 25 cs, Chase National Bank, Deutschland, Hamburg
LICORICE PASTE—136 cs, 29,920 lbs, Exmoor, Izmir
LINALYL ACETATE—1 dm, A G Nickstadt Co, Binnendijk, Rotterdam
LITHOPONE—1,100 cks, Benj Moore & Co, Binnendijk, Rotterdam
LUMBANG KERNELS—1,187 bgs, Wilbur Ellis Co, Tai Shan, Davao
LYCOPODIUM—12 cs, 1,650 lbs, Russel Howe, Pilsudski, Gdynia
MACE—5 cs, Bestum, Grenada
10 cs, Middleton & Co, Nerissa, Grenada
16 cs, Catz American Co, Siamese Prince, Macassar
40 cs, C T Wilson & Co, Siamese Prince, Macassar
16 cs, Van Loan & Co, President Polk, Singapore
MAGNESIA, CALCINED—80 cs, Schofield, Donald Co, Lancastria, Liverpool
CARBONATE—50 cs, 1 ton, 13 cwt, 2 qtrs, 19 lbs, McKesson & Robbins, Lancastria, Liverpool
50 cks, 20 cs, Schofield, Donald Co, Lancastria, Liverpool
HYDRATE—45 cs, Schofield, Donald Co, Lancastria, Liverpool
MAGNESITE, CALCINED—50 bgs, Speiden, Whitfield Co, Binnendijk, Rotterdam
MANGROVE BARK—3,747 bgs, 300 tons, C H Cramp, Kilwa, Kisiwani
EXTRACT—2,000 bgs, City of Khios, Singapore
2,000 bgs, Rhexenor, Singapore
3,280 bgs, Philippine Cutch Corp, President Polk, Manila
MARJORAM LEAVES—20 bgs, 2,336 lbs, Deutschland, Hamburg
MEDICINAL PREPS—15 cs, J Personeni, Exeter, Naples
9 cs, Italian Drug Import Co, Exeter, Genoa
12 cs, J Personeni, Exeter, Genoa
20 cs, Ratin Laboratory, Pilsudski, Copenhagen
25 cs, Binnendijk, Rotterdam
8 cs, American Trader, London
MENTHOL—25 cs, Iwai & Co, Nagara, Kobe
25 cs, C L Huisking & Co, Awobasan, Kobe
MICA—335 cs, General Electric Co, City of Evansville, Calcutta
61 cs, City of Evansville, Calcutta
5 cs, Bank of Manhattan, Ascania, London
5 cs, American Mica Works, Lages, Pernambuco
48 cs, First Natl Bank of Boston, Western Prince, Rio Janeiro
30 cs, O Gerdau Co, Western Prince, Rio Janeiro

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MICA—24 cs, Royal Bank of Canada, Western Prince, Rio Janeiro
32 cs, American Trader, London
28 pkgs, American Merchant, London
BLOCK—3 cs, A J Brucher & Co, Potter, Calcutta
1 cs, Gillespie, Rogers, Pyatt Co, Potter, Calcutta
128 cs, Potter, Calcutta
21 cs, O Gerdau Co, American Merchant, London
4 cs, American Merchant, London
CUT—3 cs, Potter, Calcutta
DISCS—3 cs, Potter, Calcutta
7 cs, Gillespie, Rogers, Pyatt Co, Potter, Calcutta
FILM—17 cs, Potter, Calcutta
1 cs, Gillespie, Rogers, Pyatt Co, Potter, Calcutta
PLATE—3 cs, Potter, Calcutta
SPLITTINGS—20 cs, General Electric Co, Potter, Calcutta
1 cs, Gillespie, Rgers, Pyatt Co, Potter, Calcutta
261 cs, Potter, Calcutta
139 cs, Mica Insulator Co, City of Evansville, Calcutta
200 cs, City of Evansville, Calcutta
9 cs, American Merchant, London
MILK, POWD—200 bgs, 15 cs, 50 bbls, Binnendijk, Rotterdam
100 bbls, R A McKee, Black Falcon, Rotterdam
MOLASSES—12,580 tons, Athelregent, Rotterdam
12,640 tons, Athelmonarch, Danzig
44,252 gls, Chase Natl Bank, Seatrain New York, Havana
350,000 kilos, W R Grace & Co, Santa Clara, Salaverry
350,000 kilos, W R Grace & Co, Santa Clara, Supe
1,331,412 gls, Cuba Distilling Co, Carrabulle, Matanzas
MURU MURU KERNELS—1,400 bgs, F Baker Co, Bayard, Para
MUSK XYLOL—2 cs, T Tanaka, Nagara, Kobe
MUSTARD SEED—200 bgs, Charles Gulden, Binnendijk, Rotterdam
50 bgs, American Trader, London
50 bgs, Levy & Levis Co, Deutschland, Hamburg
50 bgs, J M Bacharach, Exchester, Catania
800 bgs, Charles Gulden, Exchester, Catania
190 bgs, Charles Gulden, Black Falcon, Rotterdam
40 bgs, Golden Packing Co, Scanpenn, Copenhagen
MYROBALANS—7,964 pockets, Potter, Calcutta
NAPHTHALENE—1,200 bgs, Calco Chemical Co, C H Cramp, Lourenco Marques
400 bgs, F B Bertrand, Liberty, Manchester
507 bgs, 110,455 lbs, Black Falcon, Antwerp
734 bgs, Calco Chemical Co, Black Falcon, Rotterdam
216 bgs, F B Bertrand, Black Falcon, Rotterdam
500 bgs, Associated Metals & Mineral Co, Black Falcon, Rotterdam
NUTGALLS—200 bgs, Eastman Kodak Co, Wales, Shanghai
420 bgs, Bingham & Co, Wales, Shanghai
NUTMEGS—150 bgs, Royal Bank of Canada, Nerissa, Grenada
200 bgs, Nerissa, Grenada
17 bgs, Rhexenor, Padang
362 bgs, Rhexenor, Batavia
114 cs, H P Winter & Co, Siamese Prince, Macassar
25 bgs, Catz American Co, Siamese Prince, Macassar
NUX VOMICA—3,600 pockets, Volkart Bros, Rhexenor, Cochin
OCHER—40 cks, C J Osborn & Co, Exeter, Marseilles
870 bgs, Reichard-Coulston, Exeter, Marseilles
OIL, ALMOND—15 dms, 25 cs, Magnus, Mabee & Reynard, Exeter, Marseilles
25 cs, J Manheimer, Exeter, Marseilles
5 dms, Exeter, Marseilles
ANISE—4 dms, 2,609 lbs, Aries Co, Sarcoxie, Havre
10 dms, Corn Exchange Bank, Nagara, Hongkong
5 dms, W J Bush & Co, President Polk, Hongkong
BAY—7 cs, Barclay Bank, Nerissa, Dominica
7 cs, Nerissa, Dominica
CAMPHOR—10 dms, Magnus, Mabee & Reynard, Nagara, Keelung
15 dms, Takamine Corp, Nagara, Keelung
50 dms, Ungerer & Co, Nagara, Keelung
28 dms, Norda Essential Oil & Chemical Co, Nagara, Keelung
100 dms, Orbis Product Trading Co, Nagara, Kobe
5 dms, Lautier Fils, Nagara, Yokohama
50 dms, Dodge & Olcott Co, Nagara, Yokohama
25 dms, Mitsui & Co, Awobasan, Kobe
5 dms, G Uhe & Co, Tai Shan, Yokohama
CANANGA—2 dms, City of Khios, Batavia
CASSIA—10 dms, W J Bush & Co, President Polk, Hongkong
5 dms, 2,350 lbs, Ungerer & Co, City of Rayville, Hongkong
5 dms, 2,350 lbs, W J Bush & Co, City of Rayville, Hongkong
CASTOR—2 cs, W R Grace & Co, Boniface, Pernambuco
CELERY—2 cs, President Polk, Marseilles
CHAULMOOGRA—5 cs, City of Evansville, Calcutta
CHINAWOOD—quantity, Werner G Smith Co, Nagara, Hankow
CINNAMON LEAF—21 dms, R C Treatt & Co, American Trader, London
5 dms, I Harrison & Whitney, President Polk, Colombo
CITRONELLA—16 dms, Catz American Co, Tuscaloosa City, Batavia
12 dms, Geo Uhe & Co, City of Khios, Batavia
4 dms, Barber S S Co, American Trader, London
20 dms, Catz American Co, Siamese Prince, Batavia
26 dms, Barber S S Co, American Merchant, London
CLOVE—17 dms, L A Champon, City of Evansville, Aden
COALTAR—627,482 gls, Calco Chem Co, Davanger, Sydney
COCONUT—1,081 tons, Philippine Refg Corp, Awobasan, Cebu
420 tons, Colgate Palmolive Peet Co, Siamese Prince, Manila
710 tons, Philippine Refg Corp, Tai Shan, Manila
COD—52 cks, F W Damon, Fort Townshend, St Johns
1 cs, R Hennessy, Fort Townshend, St Johns
25 dms, I H Boody Co, Awobasan, Yokohama
CODLIVER—1,156 dms, J D Irwin & Co, Katla, Reykjavik
293 dms, C T Smith, Katla, Reykjavik
150 dms, Gallagher & Ascher, Katla, Reykjavik
100 dms, Simo Chem Co, Katla, Reykjavik
200 dms, Katla, Reykjavik
50 dms, Black Falcon, Rotterdam
CORN—330 dms, Corn Product Refg Co, Caledonia, Glasgow
35 dms, Jean Jadot, Antwerp
58 dms, American Trader, London
179 dms, Ascania, London
200 dms, Corn Products Refg Co, Independence Hall, Dunkirk
COTTONSEED—551 pkgs, Lages, Santos
CROTON—3 cs, Dodge & Olcott Co, Ascania, London
OIL, ESSENTIAL—11 dms, 59 cs, Exeter, Marseilles
22 cs, Binnendijk, Rotterdam
2 cs, 9 dms, American Trader, London
6 cs, Deutschland, Hamburg
2 cs, Deutschland, Bremen
4 cs, Queen Mary, Southampton
2 dms, Ascania, London
1 cs, Ascania, Southampton
25 cs, President Polk, Singapore
3 cs, E Lelong, President Polk, Marseilles
EUCALYPTUS—10 dms, Norda Essential Oil & Chem Co, Nagara, Kobe
FUEL—52,575 bbls, Asiatic Petroleum Corp, San Roberto, Puerto Mexico
108,000 bbls, Standard Oil Co of N J, Standard, Aruba
2,452,406 gls, Standard Oil Co of N J, Beanlihu, Porto Mexico
89,000 bbls, Standard Oil Co of N J, R G Stewart, Aruba
GERANIUM—1 dm, Exeter, Marseilles
10 dms, Compagnie General Transatlantique, City of Evansville, Aden
8 cs, E Lelong, President Polk, Marseilles
LAVENDER—10 cks, A Verley, Exeter, Marseilles
3 cks, Continental Bank Trust Co, Exeter, Marseilles
5 dms, Ungerer & Co, Exeter, Marseilles
12 dms, Norda Essential Oil & Chem Co, Exeter, Marseilles
20 dms, Yardley & Co, Ascania, London
LEMON—1 dm, W Loaiza & Co, Siboney, Vera Cruz
100 cs, 3,740 lbs, Geo Lueders & Co, Exchester, Messina
104 half cs, Exchester, Messina
LEMONGRASS—20 dms, Volkart Bros, Rhexenor, Cochin
8 dms, Rhexenor, Cochin
LIME—3 cs, Nerissa, Trinidad
1 cs, T A Hedley, Nerissa, Montserrat
6 cs, F S Maynard & Son, Nerissa, Montserrat
LINSEED—3 dms, D F Young, American Trader, London
MINERAL—300 dms, Heemsoth, Pinckes & Kerner, Deutschland, Hamburg
50 dms, Deutschland, Hamburg
OLIVE—100 dms, Paper Makers Chemical Corp, Exmoor, Piraeus
30 cs, Exmoor, Piraeus
10 dms, National Food Product Co, Exeter, Piraeus
100 cs, Exeter, Leghorn
775 cs, Exeter, Genoa
25 dms, P Pastene & Co, Exeter, Genoa
100 cs, Exeter, Marseilles
900 dms, Comex Trading Co, Binnendijk, Rotterdam
820 cs, President Polk, Genoa
1,200 cs, Exchester, Leghorn
3,705 cs, 175 dms, Exchester, Seville
200 dms, Venice Import Co, Exchester, Seville
300 dms, Lekas & Drivas, Exchester, Seville
50 bbls, Banca Com Italian Trust Co, Exchester, Seville
400 dms, Leghorn Trading Co, Exchester, Seville
475 dms, Public National Bank, Exchester, Seville
15 dms, Bank of Manhattan, Exchester, Seville
25 dms, Irving Trust Co, Exchester, Seville
10 dms, Guaranty Trust Co, Exchester, Lisbon
10 dms, Banca Coml Italian Trust Co, Exchester, Lisbon
250 cs, Exchester, Lisbon
ORANGE—2 cs, Exeter, Marseilles
6 cs, Dodge & Olcott Co, Deutschland, Hamburg
20 cs, Dodge & Olcott Co, Haiti, Kingston
10 cs, American Express Co, Haiti, Kingston
4 cks, President Polk, Marseilles
21 cs, Dodge & Olcott Co, Toloa, Kingston
ORIGANUM—3 dms, Exeter, Haifa
PALM—916 tons, 10 cwt, United Africa Co, West Lashaway, Matadi
885 tons, Van Leeuwen, Boomkamp & Co, Rhexenor, Belawan
111,008 kilos, Black Falcon, Rotterdam
30 bbls, Durkee Famous Foods, Black Falcon, Rotterdam
235 dms, Black Falcon, Rotterdam
PEANUT—50 dms, Binnendijk, Rotterdam
902 tons, First National Bank of Boston, City of Rayville, Tsingtao
PIMENTO LEAF—14 cs, Barclay Bank, Haiti, Kingston
PINENEEDLE—2 bbls, 869 lbs, D C Andrews & Co, Deutschland, Hamburg
POPPYSEED—5 dms, Fezandie & Sperle, Binnendijk, Rotterdam
RICE BRAN—100 dms, W R Grace & Co, Tai Shan, Kobe
SESAME—30 dms, Haas Bros, Binnendijk, Rotterdam
52 dms, Binnendijk, Rotterdam
65 dms, I R Boody & Co, Binnendijk, Rotterdam
SPERM—10 tons, American Whaling Co, Franco, Australian Ports
TEASEED—100 dms, W R Grace & Co, Nagara, Hongkong
100 dms, Hanish Lore Co, Nagara, Hongkong
100 dms, F M Sergeant Pulp & Chem Co, Nagara, Hongkong
25 dms, Arnhold & Co, Nagara, Shanghai
THYME—1 dm, A Chiris Co, Exchester, Genoa
VARNISH—4 cs, Leo Uhlfelder & Co, American Trader, London
VEGETABLE—3 dms, Fritzsche Bros, Exchester, Seville
WHALE—6,436 tons, American Whaling Co, Franco, Australian Ports
YLANG YLANG—2 dms, Ungerer & Co, City of Evansville, Aden
5 cs, E Lelong, President Polk, Marseilles
2 cks, President Polk, Marseilles
ORANGE PEEL—10 bls, Vulcania, Trieste
ORRISROOT—67 bgs, 11,055 lbs, Geo Lueders & Co, Exchester, Leghorn
13 bgs, 1,133 lbs, Peek & Veisor, Exchester, Leghorn
PAINT—25 dms, 15,349 lbs, Haas Bros, Black Falcon, Rotterdam
SOLVENT—1 dm, Fries Bros, American Trader, London
WHITE—14 cs, Wedeman & Godknecht, American Merchant, London
PAPRIKA—60 bgs, P H Petry & Co, Deutschland, Hamburg
25 bgs, E E Marks & Co, Deutschland, Hamburg
25 bgs, G W Sheldon & Co, Deutschland, Hamburg
100 bgs, Van Loan & Co, Deutschland, Hamburg
25 bgs, Knickerbocker Mills Co, Deutschland, Hamburg
60 bgs, Deutschland, Hamburg
PARAFFIN—2,541 bgs, Standard Oil Co of N J, Siamese Prince, Batavia
PEATMOSS—200 bgs, New Amsterdam Mfg & Supply Co, Caledonia, Glasgow
1,500 bgs, Halfmoon Mfg & Trading Co, Binnendijk, Rotterdam
306 bls, Premier Peatmoss Corp, Binnendijk, Rotterdam
321 bgs, Premier Peatmoss Corp, Black Falcon, Antwerp
733 bls, Premier Peatmoss Corp, Scanpenn, Copenhagen
PEANUT CAKE—40 cs, Wales, Kobe
PEPPER, BLACK—250 bgs, Tuscaloosa City, Oosthaven
729 bgs, City of Khios, Oosthaven

PEPPER, BLACK—246 bgs, Royal Bank of Canada, Siamese Prince, Batavia
492 bgs, Continental Bank Trust Co, Siamese Prince, Batavia
710 bgs, Guaranty Trust Co, Siamese Prince, Batavia
486 bgs, B H Old & Co, Siamese Prince, Batavia
100 bgs, Irving Trust Co, Siamese Prince, Batavia
1,879 bgs, Siamese Prince, Batavia
2,162 bgs, Catz American Co, Siamese Prince, Batavia
10 bgs, Ascania, London
*150 bgs, American Merchant, London
WHITE—343 bgs, Siamese Prince, Batavia
PEPPERMINT—20 cs, 3,188 lbs, Deutschland, Hamburg
PERFUMERY—29 dms, Yardley & Co, Ascania, London
PETROLEUM CRUDE—66,000 bbls, Standard Oil Co of N J, Paul H Harwood, Aruba
106,981 bbls, Gulf Oil Corp, Gulfbird, Las Peidras
5,438 tns, Warner, Quinlan Co, Wm Strachan, Tampico
3,880 tons, Cia. Petrolera del Agwi S A, Wm Strachan, Tampico
REFINED—50 dms, R F Cruickshank Corp, Scanpenn, Copenhagen
RESIDUE—12 dms, M W Kellogg, Sarcoxie, Havre
POPPYSEED—200 bgs, 22,000 lbs, Levy & Levis Co, Pilsudski, Gdynia
100 bgs, 11,000 lbs, Abraham Feld, Pilsudski, Gdynia
200 bgs, 22,000 lbs, A G Dunn, Pilsudski, Gdynia
100 bgs, 11,000 lbs, C M Van Sillevoldt, Binendijk, Rotterdam
200 bgs, 22,000 lbs, Catz American Co, Binnendijk, Rotterdam
150 bgs, 16,500 lbs, J Loewith, Sagaporack, Gdynia
100 bgs, 11,000 lbs, Levy & Levis Co, Sagaporack, Gdynia
100 bgs, 11,000 lbs, Pepper Prod Co, Black Falcon, Rotterdam
100 bgs, 11,000 lbs, Knickerbocker Mills Co, Black Falcon, Rotterdam
POTASH, CARBONATE—20 cks, 23,641 lbs, American Cyanamid & Chem Co, Black Falcon, Rotterdam
CHLORATE—300 kgs, 38,211 lbs, International Selling Corp, Sarcoxie, Havre
50 bbls, 12,335 lbs, International Selling Corp, Independence Hall, Havre
MURIATE—46,500 kilos, N V Potash Export My, Deutschland, Hamburg
200 bgs, N V Potash Export My, Black Falcon, Antwerp
PERCHLORATE—50 bbls, 12,192 lbs, International Selling Corp, Sarcoxie, Havre
SALT—3 kgs, American Merchant, London
PUMICE—203 bgs, C B Chrystal & Co, Exchester, Canneto
60 bgs, J H Rhodes & Co, Exchester, Canneto
LUMP—75 bgs, C B Chrystal & Co, Exchester, Canneto
6,757 bgs, 3 cks, J H Rhodes & Co, Exchester, Canneto
PYRETHRUM FLOWERS—57 bls, McKesson & Robbins, Vulcania, Dubrovnik
EXTRACT—4 cs, Dodwell & Co, Tai Shan, Kobe
QUASSIA CHIPS—432 bgs, S B Penick & Co, Haiti, Kingston
QUEBRACHO EXTRACT—4,000 bgs, Tannin Corp, Western Prince, Buenos Aires
3,700 bgs, International Product Corp, Western Prince, Buenos Aires
QUICKSILVER—173 flasks, Roosevelt S S Co, Potter, Port Said
80 flasks, Chase National Bank, Siboney, Vera Cruz
100 flasks, Leghorn Trading Co, President Polk, Genoa
500 flasks, Charles Pfizer & Co, Exchester, Leghorn
RAPESEED — 375 bgs, A G Dunn, Wales, Otaru
RESIN—150 cs, Paul Bertach & Co, Rayard, Iquitos
50 cs, Santo Domingo & Co, Rayard, Iquitos
26 cs, Rayard, Iquitos
RHUBARB—24 cs, S B Penick & Co, Wales, Shanghai
ROOT, MEDICINAL—20 bls, S B Penick & Co, Vulcania, Trieste
SAGE LEAVES—61 bls, Eli Lilly & Co, Vulcania, Trieste
80 bls, E E Marks & Co, Vulcania, Dubrovnik
SAGO FLOUR—1,600 bgs, Tuscaloosa City, Singapore
400 bgs, Chase Natl Bank, Awobasan, Singapore
SANDALWOOD BILLETS—917 bgs, W J Bush & Co, City of Evansville, Madras
SARDINE MEAL—6,000 bgs, Mitsui & Co, Awobasan, Kobe
2,240 bgs, H J Baker & Bros, Awobasan, Nagoya
1,120 bgs, Consumers Import Co, Awobasan, Yokohama
2,240 bgs, H J Baker & Bros, Tai Shan, Yokohama
SARSAPARILLA ROOT—16 bls, Siboney, Vera Cruz
SAWDUST—614 bgs, State Chem Co, Binnendijk, Rotterdam
SCHEELITE ORE—2,866 bgs, City of Khios, Penang
SEED, MEDICINAL—10 bgs, 1,100 lbs, R D Heins, Deutschland, Hamburg
SENNA LEAVES—44 bls, City of Evansville, Colombo
100 bls, City of Evansville, Colombo
SESAME SEED—50 bgs, Hongkong & Shanghai Bank, Nagara, Hongkong
112 bgs, Durkee Famous Foods, Nagara, Hongkong
SHELLAC—20 cs, A Hurst & Co, Binnendijk, Rotterdam
50 cs, A Hurst & Co, Deutschland, Hamburg
100 bgs, E E Androvette, Potter, Calcutta
100 bgs, Argenti & Co, Potter, Calcutta
71 cs, Wm Zinsser & Co, Potter, Calcutta
200 bgs, Mac Lac Co, Potter, Calcutta
50 cs, National City Bank, City of Evansville, Calcutta
400 bgs E E Androvette, City of Evansville, Calcutta
100 bgs, E E Androvette, City of Evansville, Calcutta
BUTTON LAC—25 bgs, E E Androvette, Potter, Calcutta
25 bgs, Potter, Calcutta
50 bgs, Gillespie-Rogers-Pyatt Co, City of Evansville, Calcutta
SEEDLAC—100 bgs, E E Androvette, Potter, Calcutta
200 bgs, Wm Zinsser & Co, Potter, Calcutta
300 bgs, Wm Zinsser & Co, Potter, Calcutta
250 bgs, Bank of London South America, City of Evansville, Calcutta
200 bgs, Gillespie-Rogers-Pyatt Co, City of Evansville, Calcutta
300 bgs, Chase Natl Bank, City of Evansville, Calcutta
400 bgs, Guaranty Trust Co, City of Evansville, Calcutta
900 bgs, Montrose Corp, City of Evansville, Calcutta
SIENNA—15 bbls, 10,483 lbs, C B Chrystal & Co, Exeter, Leghorn
24 cks, 15 514 lbs, Reichard Coulston, Exeter, Leghorn
SIENNA—10 cks, 4,380 lbs, 200 bgs, 44,000 lbs, Exchester, Leghorn
SOAP—510 cs, Conti Product Co, Exeter, Leghorn
220 cs, American Express Co, Exeter, Marseilles
13 cs, Titan Shipping Co, American Merchant, London
4 cs, Globe Shipping Co, American Merchant, London
MILLINGS—90 cs, Yardley & Co, Ascania, London
1 cs, Yardley & Co, American Merchant, London
SADDLE—4 cs, Service Legging Co, American Trader, London
STEARIN CHIPS—3 cs, Yardley & Co, American Merchant, London
TOILET—13 cs, Titan Shipping Co, American Trader, London
5 cs, R H Macy & Co, American Trader, London
SODA, AZIDE—152 bbls, 15,400 lbs, E I Du Pont de Nemours Co, Deutschland, Hamburg
HYDROSULPHATE — 10 kegs, American British Chemical Supplies, Lancastria, Liverpool
HYDROSULPHITE — 40 dms, 9,504 lbs, Deutschland, Hamburg
CYANIDE—300 cs, 160 dms, American Cyanamid & Chemical Co, Binnendijk, Rotterdam
672 cyls, Charles Hardy, American Trader, Havre
200 dms, Chase National Bank, Tai Shan, Yokohama
PRUSSIATE—400 cs, Chemical Bank Trust Co, Wales, Yokohama
300 cs, American Cyanamid & Chemical Co, Wales, Yokohama
SILICOFLUORIDE — 40 bbls, 11,880 lbs, Innis, Speiden & Co, Deutschland, Hamburg
80 bbls, 23,760 lbs, Hummel Chemical Co, Deutschland, Hamburg
400 bgs, H Sundheimer, Exchester, Genoa
SOYBEAN MEAL—230 bgs, Mitsubishi Shoji Kaisha, Nagara, Dairen
SPONGES—8 bls, J H Rhodes & Co, Munargo, Nassau
5 bls, Munargo, Nassau
5 bls, Santa Clara, Havana
11 bls, Oriente, Havana
6 bls, F M Miglis, President Polk, Alexandria
REFUSE—5 bls, Munargo, Nassau
3 bls, Santa Clara, Havana
SQUILL—30 bgs, 6,600 lbs, Exchester, Palermo
STARCH—8 cs, Burroughs Wellcome & Co, Ascania, London
POTATO—100 bgs, Stein, Hall & Co, Binnendijk, Rotterdam
250 bgs, American Cyanamid & Chemical Co, Binnendijk, Rotterdam
SULPHUR, PRECIPITATED—10 cks, 1 ton, 3 cwt, 1 qtr, 25 lbs, McKesson & Robbins, Lancastria, Liverpool
SUMAC LEAF—20 bls, 11,686 lbs, Exchester, Palermo
TALC—300 bgs, Whittaker, Clark & Daniels, Exeter, Marseilles
336 bgs, C B Chrystal & Co, Nagara, Dairen
2,000 bgs, East Asiatic Co, Wales, Shanghai
100 bgs, Exchester, Leghorn
TANKAGE—1,621 bgs, Van Iderstine & Co, Cliffwood, Copenhagen
2,699 bgs, Swift & Co, Cliffwood, Copenhagen
TAPIOCA, FLAKE—426 bgs, Stein, Hall & Co, City of Khios, Sourabaya
471 bgs, Stein, Hall & Co, Rhexenor, Sourabaya
FLOUR—283 bgs, Siamese Prince, Semarang
1,654 bgs, National Adhesive Corp, Siamese Prince, Pasoeroen
1,246 bgs, Rutger, Bleecker & Co, Tuscaloosa City, Batavia
1,236 bgs, H P Winter & Co, Tuscaloosa City, Batavia
3,564 bgs, Stein, Hall & Co, Tuscaloosa City, Batavia
535 bgs, Balfur, Guthrie & Co, City of Khios, Pamanoekan
2,129 bgs, Stein, Hall & Co, City of Khios, Cheribon
250 bgs, H P Winter & Co, City of Khios, Cheribon
1,556 bgs, Bank f Manhattan, City of Khios, Cheribon
14,502 bgs, Stein, Hall & Co, City of Khios, Sourabaya
815 bgs, Stein, Hall & Co, Rhexenor, Sourabaya
500 bgs, H P Winter & Co, Rhexenor, Batavia
1,379 bgs, Chase National Bank, Rhexenor, Pasoeroean
275 bgs, Rhexenor, Pasoeroen
1,752 bgs, Stein, Hall & Co, Rhexenor, Batavia
500 bgs, National Adhesive Corp, Rhexenor, Batavia
1,516 bgs, Rhexenor, Batavia
535 bgs, Balfour, Guthrie & Co, Rhexenor, Pamanoekan
4,964 bgs, Stein, Hall & Co, Rhexenor, Sourabaya
1,022 bgs, Geo W Rueff, Siamese Prince, Batavia
100 bgs, Chase National Bank, Siamese Prince, Batavia
500 bgs, H P Winter & Co, Siamese Prince, Batavia
2,038 bgs, Stein, Hall & Co, Siamese Prince, Cheribon
751 bgs, Siamese Prince, Batavia
503 bgs, Guaranty Trust Co, Siamese Prince, Sourabaya
250 bgs, Siamese Prince, Sourabaya
PEARL—50 bgs, Stein, Hall & Co, Rhexenor, Sourabaya
SEED—303 bgs, Stein, Hall & Co, Rhexenor, Sourabaya
TARTAR—131 bgs, W R Grace & Co, Santa Clara, San Antonio
48 bgs, Exchester, Genoa
213 bgs, Charles Pfizer & Co, Exchester, Leghorn
521 bgs, Exchester, Leghorn
200 bgs, Albert Mevi, Exchester, Catania
TEAWASTE—1,500 bgs, Citro Chem Co, City of Evansville, Calcutta
THYME LEAVES—29 bgs, 4,400 lbs, Exeter, Marseilles
60 bls, 8,864 lbs, Peek & Velsor, Exeter, Marseilles
TIMBO, POWD—100 cs, Guaranty Trust Co, Boniface, Para
400 cs, Boniface, Para
TINCTORIAL EXTRACT—10 cks, Morris Export Co, American Trader, Havre
TOILET PREPS—10 cs, R F Downing & Co, Queen Mary, Southampton
TOLU BALSAM—25 cs, Scholtz & Co, Haiti, Porto Colombia
30 cs, S Grazi & Co, Tolca, Porto Colombia
TONKA BEANS—100 cks, Machado & Co, Nerissa, Trinidad
30 bbls, Irving Trust Co, Boniface, Para
112 bbls, Irving Trust Co, Bayard, Para
100 bbls, Machado & Co, Bayard, Para
10 cs, Bayard, Para
TURMERIC FINGERS—68 bgs, J L Hopkins & Co, City of Evansville, Colombo
UMBER, BURNT—6 cks, T H Deutz, Potter, Port Said
41 cks, Adelphi Paint & Color Works, Potter, Port said
10 cks, Stanley Doggett, Potter, Port Said
RAW—43 cks, National Safety Bank & Trust Co, Potter, Port Said
UREA—500 bgs, Synthetic Nitrogen Product Corp, Binnendijk, Rotterdam
URUCURY SEED—350 bgs, Lages, Bahia
VANILLA BEANS—4 cs, Catz American Co, Tuscaloosa City, Batavia
18 cs, Thurston & Braidich, Exeter, Marseilles
27 cs, J Manheimer, Exeter, Marseilles
41 cs, Exeter, Marseilles
22 cs, Integrity Trust Co, Exeter, Marseilles
40 cs, First Camden Natl Bank Trust Co, Exeter, Marseilles
16 cs, Tradesmen's Natl Bank Trust Co, Exeter, Marseilles
14 cs, Geo Lueders & Co, Exeter, Marseilles
11 cs, Dammann & Smeitzer, Exeter, Marseilles
15 cs, Zink and Triest, Siboney, Vera Cruz
60 cs, M Cortizas Co, Siboney, Vera Cruz
14 cs, Bank of Manhattan, President Polk, Marseilles
45 cs, Marine Midland Trust Co, President Polk, Marseilles
22 cs, President Polk, Marseilles
VETIVER ROOT—56 bls, Geo Uhe Co, Tuscaloosa City, Batavia
WATER MINERAL—25 cs, Hensel, Bruckmann & Lorbacher, Jean Jadot, Antwerp
100 cs, Meadows, Wye & Co, Ascania, London
100 crts, J Personeni, Exchester, Genoa
WATTLE BARK—3,219 bls, 660,500 lbs, C H Cramp, Durban
514,520 lbs, C H Cramp, Durban
WAX, BEES—65 bgs, D A Zorrilla, Cauto, Tampico
92 pkgs, MacMiller Candle Co, Exeter, Alexandria
44 bgs, R Desvernine, Platano, Santiago
5 bgs, Stuyvesant, Curacao
266 bgs, D Steengrafe, Lages, Rio de Janeiro
52 bgs, O G Lind Corp, Lages, Rio de Janeiro
50 bgs, Lages, Rio de Janeiro
100 bgs, Smith & Nichols, Lages, Pernambuco
78 bgs, W R Grace & Co, Santa Clara, San Antonio
CANDELILLA—313 bgs, M Argueso & Co, Cauto, Tampico
62 bgs, Wm M Allison & Co, Cauto, Tampico
CARNAUBA—244 bgs, Wm M Allison & Co, Boniface, Parnahyba
250 bgs, Smith & Nichols, Boniface, Parnahyba
63 bgs, Innis, Speiden & Co, Boniface, Parnahyba
50 bgs, Smith & Nichols, Boniface, Pernambuco
125 bgs, Smith & Nichols, Boniface, Parnahyba
188 bgs, American Cyanamid & Chem Co, Boniface, Parnahyba
224 bgs, Smith & Nichols, Boniface, Ceara
66 bgs, W R Grace & Co, Boniface, Ceara
168 bgs, Strahl & Pitsch, Boniface, Ceara
56 cs, Innis, Speiden & Co, Boniface, Ceara
26 cs, American Cyanamid & Chem Co, Boniface, Ceara
258 bgs, Smith & Nichols, Boniface, Para
89 bgs, Innis, Speiden & Co, Bayard, Ceara
56 bgs, Smith & Nichols, Bayard, Ceara
61 bgs, Bayard, Ceara
1,541 bgs, Strohmeyer & Arpe Co, Boniface, Parnahyba
184 bgs, Strohmeyer & Arpe Co, Boniface, Ceara
376 bgs, Bank of London-South America, Boniface, Parnahyba
60 bgs, Boniface, Camocim
184 bgs, Boniface, Ceara
CERESIN—20 bgs, 2,235 lbs, Innis, Speiden & Co, Deutschland, Hamburg
MONTAN—375 bgs, 57,750 lbs, Strohmeyer & Arpe Co, Deutschland, Hamburg
OZOKERITE — 10 cs, 26 bgs, Heemsoth-Kerner Corp, Deutschland, Hamburg
25 bgs, Strahl & Pitsch, Deutschland, Hamburg
VEGETABLE—20 bgs, L A Salomon & Bros, Caledonia, Glasgow
30 bgs, Caledonia, Glasgow
30 bgs, A Hurst & Co, American Trader, London
100 cs, P A Dunkel & Co, Nagara, Moji
200 cs, Strohmeyer & Arpe Co, Awobasan, Kobe
50 cs, Willers, Engel & Co, Awobasan, Kobe
50 cs, H H Rosenthal Co, Awobasan, Kobe
400 cs, Mitsui & Co, Awobasan, Kobe
3 bgs, Heemsoth, Pinckes & Kerner, Deutschland, Hamburg
10 cs, L A Champon, Tai Shan, Kobe
100 cs, Wm M Allison & Co, Awobasan, Kobe
YEAST—40 bgs, Deutschland, Hamburg
171 bbls, Vulkan Yeast Co, Deutschland, Hamburg
ZINC OXIDE—15 bbls, 4,026 lbs, Reichard-Coulston, Exeter, Marseilles
25 cks, 5 tons, 6 cwt, 3 qtrs, 19 lbs, Jungmann & Co, Lancastria, Liverpool

New York Transit Imports

BARK—3 bls, 600 lbs, C H Cramp, Durban, Buffalo
BRONZE POWDER—6 cs, P H Petry & Co, Deutschland, Bremen, Milwaukee
CASSIA—300 bls, Sprague, Warner & Co, Nagara, Hongkong, Chicago
200 bls, American Spice Co, Awabasam, Hongkong, Chicago
250 bls, Frank Tea & Spice Co, Awabasam, Hongkong, Cincinnati
BROKEN—50 bls, Frank Tea & Spice Co, City of Rayville, Hongkong, Cincinnati
ROLLS—125 bls, Frank Tea & Spice Co, City of Rayville, Hongkong, Cincinnati
150 bls, Sprague, Warner & Co, Nagara, Hongkong, Chicago
200 bls, Frank Tea & Spice Co, Nagara, Hongkong, Cincinnati
OIL, VARNISH—1 cs, American Trader, London, Trenton
POPPYSEED—100 bgs, 11,000 lbs, Binnendijk, Rotterdam, Chicago
SESAME MEAL—520 bgs, National City Bank, Tai Shan, Yokohama, Cleveland
SPONGES—34 bls, Munargo, Nassau, Amsterdam
20 bls, Munargo, Nassau, Rotterdam
9 bls, Munargo, Nassau, London
5 bls, Munargo, Nassau, Kobe
REFUSE—8 bls, Munargo, Nassau, Amsterdam
10 bls, Munargo, Nassau, Hamburg
3 bls, Munargo, Nassau, Kobe
5 bls, Munargo, Nassau, London
ZINC, SULPHIDE—1 ck, Chaudes Ash Sons & Co, American Trader, London, Irvington

Baltimore Imports

BONEMEAL—1,100 bgs, Laura C, Fiume
CHEMICALS—353 bgs, F H Challus & Co, City of Baltimore, Hamburg
CLAY—200 bgs, City of Baltimore, Hamburg
COPRA—750 tons, Procter & Gamble Co, Niel Maersk, Cebu
300 tons, Procter & Gamble Co, Niel Maersk, Lagaspi
FERRO ALLIAGE—125 bbls, City of Baltimore, Havre
FERROMANGANESE—400 cs, Hokkai, Tokyo
HERBS, MEDICINAL—26 bls, order, Laura C, Trieste
IRON ORE—21,700 tons, Bethlehem Steel Co, Amerikaland, Cruz Grande
11,500 tons, Bethlehem Steel Co, Firmore, Daiquiri
PYRITES—2,107 tons, Mano, Huelva
5,566 tons, Lista, Setubal
MAGNESITE—36,798 bgs, Generar Refractories Co, Laura C, Trieste
OIL, CODLIVER—26 bbls, City of Baltimore, Hamburg
FUEL—108,000 bbls, Standard Oil Co, Heinrich v Riedemann, Aruba
PAINT, EARTH, DRY—300 bgs, E M & F Waldo, Laura C, Trieste
PEATMOSS—400 bls, City of Baltimore, Hamburg
POTASH, MANURE SALT—584 tons, N V Potash Export My, Idarwald, Bremen
MURIATE—1,542 tons, N V Potash Export My, City of Baltimore
5,084 tons, N V Potash Export My, Idarwald, Bremen
SULPHATE—851 tons, N V Potash Export My, Idarwald, Bremen
QUEBRACHO EXTRACT—3,200 bgs, International Products Co, Algic, Buenos Aires
7,157 bgs, Tannin Corporation, Algic, Buenos Aires
3,640 bgs, Algic, Buenos Aires
SAGE LEAVES—110 bls, Laura C, Trieste
SARDINE MEAL—7,000 bgs, Hokkai, Kobe
TANKAGE—1,000 bgs, Algic, Buenos Aires

Baton Rouge Imports

GASOLINE — 63,267 bbls, Standard Oil Co, Bianca, Aruba

Boston Imports

BARYTES—200 double bgs, 44,092 lbs, Hagen, Bremen
BATH SALT—12 cs, R H Stearns Co, American Merchant, London
BAUXITE, CRUDE—2,350 tons, Aluminum Union Ltd, Maravi, Georgetown
BLEACHING POWDER—207 bbls, Laura C, Naples
BLOOD, DRIED—407 bgs, 54,760 lbs, H J Baker & Bros, Satartia, Buenos Aires
BONES—189,597 lbs, Swift & Co, Satartia, Montevideo
643 bgs, 81,525 lbs, Swift & Co, Satartia, Buenos Aires
210,180 lbs, Eastern Gelatin Co, Satartia, Buenos Aires
SHIN—145 bgs, 18,477 lbs, Rogers Mfg Co, Satartia, Buenos Aires
BRISTLES—8 cs, F H Cone & Co, Evangeline, Saint John, N B
CAMPHOR—454 cs, 124,251 lbs, Hagen, Hamburg
CARAWAY SEED—100 bgs, Boston Brokerage Co, Leerdam, Rotterdam
CHEMICALS—50 dms, American Cyanamid & Chemical Co, Leerdam, Rotterdam
25 dms, Royal Bank of Canada, Leerdam, Rotterdam
512 bgs, Irving M Sobin & Co, Leerdam, Rotterdam
25 bbls, 5,788 lbs, African Metals Corp, Black Hawk, Antwerp
15 bbls, 4,001 lbs, Philipp Bros, Black Hawk, Antwerp
770 bgs, 154,212 lbs, Black Hawk, Antwerp
CHINA CLAY—2,082 tons, 11 cwt, Eng China Clays Sales Corp, Bristol City, Fowey
2,512 bgs, 30 csk, 169 tons, English China Clays Sales Corp, Bristol City, Fowey
72 tons, 9 cwt, Moore & Munger, Bristol City, Fowey
CLAY, BALL—20 tons, 1 cwt, English China Clays Sales Corp, Bristol City, Fowey
BLUE—40 tons, Moore & Munger, Bristol City, Fowey
COCOA BEANS—3,000 bgs, 396,828 lbs, Balfour Guthrie & Co, Satartia, Bahia
1,000 bgs, 132,276 lbs, Farr & Co, Satartia, Bahia
1,000 bgs, 132,276 lbs, Janna, Ilheos
5,000 bgs, 661,380 lbs, Nieschlag & Co, Janna, Ilheos
1,000 bgs, 132,276 lbs, Guaranty Trust Co, Janna, Bahia
2,000 bgs, 264,552 lbs, Bankers Trust Co, Janna, Bahia
COCOA BEANS—2,000 bgs, 264,552 lbs, Janna, Bahia
COCONUT, DESIC—1,229 cs, Balfour Guthrie & Co, City of Rayville, Manila
DEXTRIN—1 csk, Leerdam, Rotterdam
EMERY FILLET—10 cs, C E Quinn, Lancastria, Liverpool
1 cs, Atkinson Haserick & Co, Lancastria, Liverpool
4 cs, Joseph Sykes Bros, Lancastria, Liverpool
FISHMEAL—2,000 bgs, Wilbur Ellis Co, Komaki, Yokohama
FULLERS' EARTH—250 bgs, L A Salomon & Bros, American Merchant, London
GLASS, PLATE—1 cs, 3,249 lbs, Brown Bros, Harriman & Co, Black Hawk, Antwerp
GLAZING COMPOUND—1 cs, American Express Co, Lancastria, Liverpool
GLUE—402 double bgs, Laura C, Trieste
HIDE, GROUND—45 double bgs, 5,040 lbs, Hagen, Bremen
GLUESTOCK, FISH SCRAP—14 bbls, R Ranagan, Yarmouth, Yarmouth
1 crtn, 30 bxs, J R Poole, Yarmouth, Yarmouth
7 cs, J R Poole Co, Evangeline, Yarmouth
7 bbls, International Glue Co, Nova Scotia, Halifax
20 bgs, Rogers Isinglass & Glue Co, Nova Scotia, Halifax
15 bgs, C F Mattlage, Yarmouth, Yarmouth
790 lbs, Rogers Isinglass & Glue Co, Corticelli, Sheet Harbor, N S
HIDE CUTTINGS—684 bgs, 52 tons, 1 cwt, 7 lbs, Lancastria, Liverpool
GLYCERIN—41 dms, Irving M Sobin Co, Leerdam, Rotterdam
GOLDTHREAD—1 bg, Chester Gould, Yarmouth, Yarmouth
GREASE, WOOL—30 bbls, American Merchant, London
GUM, ARABIC—150 bgs, 33,750 lbs, City of Evansville, Port Sudan
250 bgs, 56,217 lbs, Maidan, Port Sudan
100 bgs, 22,046 lbs, Maidan, Port Said
HERBS, MEDICINAL—2 cs, 417 lbs, World Freight Co, Black Hawk, Antwerp
INK, PRINTING—1 cs, American Merchant, London
LIVERMEAL—560 bgs, 56,000 lbs, H J Baker & Bros, Satartia, Buenos Aires
LOCUST BEAN FLOUR—94 bgs, Leerdam, Rotterdam
MAGNESITE—200 bgs, Atlantic Gypsum Products Co, Leerdam, Rotterdam
40 bbls, Innis Speiden & Co, Leerdam, Rotterdam
MICA SPLITTINGS—100 cs, City of Evansville, Calcutta
50 cs, National City Bank, Maidan, Calcutta
100 bgs, Maidan, Calcutta
MILK, BLOCK—20 cs, Stengel Co, Leerdam, Rotterdam
POWDERED—112 cks, Natural Products Co, Leerdam, Rotterdam
112 cks, Leerdam, Rotterdam
100 bgs, Stengel & Co, Leerdam, Rotterdam
MUSTARD SEED—100 bgs, American Merchant, London
NUTMEGS—17 bgs, 2,285 lbs, Rhexenor, Padang

OIL, COD—150 dms, 66,138 lbs, Hagen, Hamburg
3 bbls, Marden Wild Corp, Evangeline, Yarmouth
5 bbls, from Nova Scotia
30 bbls, J S Bent, Nova Scotia, Halifax
FUEL—26,500 bbls, Colonial Beacon Oil Co, T J Williams, Aruba
PALM—470 tons, Banque Belge pour l'Etranger, Siamese Prince, Belawan, Deli
OSSEIN—1,000 bgs, 111,993 lbs, from Belgium
1,795 bgs, 200,806 lbs, J O Whitten Co, Black Hawk, Antwerp
2,751 bgs, 361,143 lbs, Black Hawk, Antwerp
PEATMOSS—320 bls, 58,355 lbs, Hagen, Bremen
885 bls, 128,594 lbs, Hagen, Bremen
280 bls, 40,322 lbs, Hagen, Bremen
800 bls, 100,287 lbs, L E Page, Hagen, Bremen
PEPPER, BLACK—1,500 bgs, Catz American Co, Siamese Prince, Oosthaven
WHITE—61 bgs, Siamese Prince, Batavia
PETROLEUM, CRUDE—48,427 bbls, 7,305 tons, Colonial Beacon Oil Co, T J Williams, Las Piedras
POLISH—1 cs, American Merchant, London
POTASH, CHLORATE—950 cks, 235,198 lbs, Bank of Manhattan, Hagen, Hamburg
MURIATE—1,602 tons, notify N V Potash Export Mij, Lido, Hamburg, Bremen
SULPHATE—700 bgs, 140,958 lbs, N V Potash Export Mij, Lido, Bremen
QUEBRACHO EXTRACT—7,601 bgs, 813,746 lbs, Tannin Corp, Satartia, Buenos Aires
2,600 bgs, 278,643 lbs, International Products Corp, Satartia, Buenos Aires
SAGO FLOUR—363 bgs, 25 tons, Rhexenor, Singapore
SALTPETER—45 bbls, 47,434 lbs, I M Sobin Co, Hagen, Hamburg
SHELLAC—55 cs and 15 bgs, J Henry Schroeder Banking Corp, Leerdam, Rotterdam
SEEDLAC—200 bgs, First National Bank, City of Evansville, Calcutta
80 bgs, First National Bank, Maidan, Calcutta
SLAG, BASIC—168 bgs, 33,554 lbs, Black Hawk, Antwerp
SOAP, TOILET—2 cs, Jordan Marsh Co, Mmerican Merchant, London
1 cs, American Express Co, American Merchant, London
1 cs, Lever Bros, American Merchant, London
4 cs, T D Downing Co, American Merchant, London
SODA, HYDROSULPHITE—20 kgs, 1 ton, 2 cwt, 16 lbs, Lever Bros, Lancastria, Liverpool
SULPHIDE—20 bbls, 12,563 lbs, Elmer H Carlton, Hagen, Hamburg
STARCH, CHEMICALLY TREATED—910 bgs, Leerdam, Rotterdam
POTATO—1,100 bgs, Leerdam, Rotterdam
STRONTIUM NITRATE—59 cks, 35,117 lbs, Irving M Sobin Co, Hagen, Hamburg
SUMAC, GROUND—210 bgs, E E Androvette, Laura C, Palermo
TAPIOCA FLOUR—535 bgs, Balfour, Guthrie & Co, Siamese Prince, Pamanoekan
276 bgs, Siamese Prince, Pasceroean
552 bgs, Arnold-Hoffman Co, Siamese Prince, Pasceroean
815 bgs, 170,008 lbs, National City Bank, Rhexenor, Sourabaya
1,011 bgs, 226,238 lbs, Guaranty Trust Co, Rhexenor, Batavia
PEARL—50 bgs, 8,370 lbs, National City Bank, Rhexenor, Sourabaya
SIFTINGS—100 bgs, 15,957 lbs, National City Bank, Rhexenor, Sourabaya
WAX, CARNAUBA—23 bgs, 4,615 lbs, Satartia, Pernambuco
WHITING—500 bgs, 55,115 lbs, Black Hawk, Antwerp

Gloucester Imports

GLUESTOCK—790 lbs, Rogers Isinglass & Glue Co, Corticelli, Sheet Harbor, N S
OIL, COD—35 bbls, 1,575 gls, National Harbor, Beaver Harbor, N B

Houston Imports

OIL, MINERAL—20 dms, Minden, Hamburg
PAPRIKA—200 bgs, Minden, Hamburg

Los Angeles Imports

IRON OXIDE—560 lbs, from London
OIL, SHARK—6,000 lbs, Metha Nelson, Ensenada

Mobile Imports

BAUXITE ORE—2,575 tons, Ramo, Paramaribo
COCONUTS—635,960, Rubens, Roatan

New Orleans Imports

BAUXITE ORE—2,372 tons, Republic Mining & Mfg Co, Sorvangen, Paramaribo
CHEMICALS—93 bbls, Breedyk, Rotterdam
92 bbls, West Tacook, Rotterdam
COCONUTS—120 sks, W R Grace & Co, Santa Marta, Cristobal
320 sks, J Blaks, Lysefjord, Belize
394 sks, W Gordon, Lysefjord, Belize
50 sks, Fruit Dispatch Co, Baja California, Swan Island
EARTH, RED—5 cks, Illinois Central R.R., Breedyk, Rotterdam
GLASS, WINDOW—10 cs, Breedyk, Antwerp
HYDROGEN CHLORIDE—53 steel cylinders, Standard Oil Co, West Tacook, Rotterdam
LEATHER MEAL—1,540 sks, Ashcraft Wilkinson Co, West Tacook, Rotterdam
MOLASSES—281,642 gls, Commercial Molasses Corp, Amolco, Vita
597,929 gls, North American Trading Co, Amolco, Nuevitas
NAPHTHALENE—572 sks, West Tacook, Rotterdam
OIL, PALM—159 dms, Texas Transport & Terminal Co, Breedyk, Rotterdam
929 dms, Breedyk, Rotterdam
SALAD—12 cs, United Fruit Co, Santa Marta, Cristobal
SESAME—100 dms, Hibernia Bank, West Tacook, Rotterdam
PAINT, PREPARED—48 cs, United Fruit Co, Santa Marta, Cristobal
PEATMOSS—1,836 bls, Premier Peatmoss Corp, Breedyk, Rotterdam
PEPPER—81 sks, F Passt, St Mary, Tampico
PERFUMERY—10 cs, West Tacook, Havre
SALTCAKE, UNGROUND—1,016,000 kilos, Bankers Trust Co, Breedyk, Rotterdam
STARCH—600 sks, Breedyk, Rotterdam
WATER, MINERAL—310 cs, Breedyk, Rotterdam
WHITING—500 sks, Manufacturers Trust Co, West Tacook, Antwerp

Norfolk Imports

BLOOD, DRIED—1,111 bgs, 48 tons, Wessel Duval & Co, Argentino, Buenos Aires
2,000 bgs, 96 tons, Argentino, Buenos Aires
OIL, PALM—1,011 tons, Guaranty Trust Co, Tabinto, Oosthaven
TANKAGE, GRD—324 bgs, 14 tons, Argentino, Buenos Aires
RENDERED—1,000 bgs, 48 tons, Argentino, Buenos Aires

Philadelphia Imports

ACID, CRESYLIC—50 dms, Manchester Hero, Manchester
209 dms, Barrett Co, Manchester Hero, Manchester
104 dms, Barrett Co, Manchester Brigade, Manchester
151 dms, Manchester Brigade, Manchester
ASBESTOS, CRUDE—27 bgs, Keasby & Mattison, Manchester Hero, Manchester
36 bgs, Keasby & Mattison Co, Manchester Brigade, Manchester
CALCIUM NITRATE—181,400 kilos, Synthetic Nitrogen Products Corp, Aalwai, Heroen
CASTOR BEANS—1,694 bgs, Phila Nat Bank, Ayuruoca, Bahia
CHEMICALS—250 bgs, P Bauer & Co, Hagen, Hamburg
50 cks, J W Hampton, Jr, & Co, Hagen, Hamburg
CLAY—20 bgs, R T French Co, Manchester Brigade, Manchester
COCOA BEANS—11,500 bgs, Bankers Trust Co, Marpesia, Ilheos
2,000 bgs, Guaranty Trust Co, Marpesia, Ilheos
1,000 bgs, Nieschlag & Co, Marpesia, Ilheos
2,000 bgs, Nat City Bank, Marpesia, Ilheos
2,000 bgs, Ayuruoca, Bahia
CURICURY NUTS—250 bgs, Ayuruoca, Bahia
DRUGS, CRUDE—22 cs, J Wyeth & Bro, Hagen, Hamburg
ETHYLENE DIBROMIDE—68 dms, Overseas Trading & Finance Corp, Hagen, Hamburg
FLUORSPAR—458,740 kilos, Wm H Muller & Co, Hagen, Bremen
508,000 kilos, General Chemical Co, Hagen, Bremen
GAMBIER—260 cs, American Dyewood Co, Tweedbank, Penang
GLUE, DRY—100 bgs, Hagen, Bremen
GLYCERIN, DISTILLED—100 dms, Resinous Products & Chemical Co, Hagen, Hamburg
GRANULAR IRON—1 lot, Ekstrand & Tholund, Stureholm, Gothenburg
GYPSUM, CRUDE—4,700 tons, U S Gypsum Co, Gypsum King, Windsor, N S
5,875 tons, U S Gypsum Co, Gypsum Queen, Windsor, N S
HOPS—1 bl, A Hurst & Co, Hagen, Hamburg
IRON ORE—6,250 tons, Christian Bors, Bougie
OXIDE—20 cks, Joseph A McNulty, Manchester Hero, Manchester
KOGASIN—5 dms, Sun Oil Co, Hagen, Hamburg
MANGANESE ORE—100 tons, City of Birmingham, Calcutta
MATCHES—1 cs, Koons, Wilson & Co, Hagen, Hamburg
MUSTARD SEED—200 bgs, Manchester Hero, Manchester
MYROBALANS—21,210 pockets, City of Birmingham, Calcutta
800 bgs, Guaranty Trust Co, Sawokla, Bombay
OIL, COD, TECHNICAL—15 dms, W Fischer, Taiwan, Kristiansund
CODLIVER—25 dms, Baugh & Sons, Taiwan, Alesund
100 dms, Sharp & Dohme, Taiwan, Bergen
210 dms, J A McCarthy, Taiwan, Bergen
296 dms, Dichmann, Wright & Pugh, Hagen, Hamburg
COTTONSEED—549 dms, Ayuruoca, Santos
LUBRICATING—10 dms, Hagen, Hamburg
PEATMOSS—600 bls, Premier Peatmoss Corp, Scanyork, Copenhagen
PEPPER, RED—25 bgs, Central Hanover Bank & Trust Co, Hagen, Hamburg
PETROLEUM, CRUDE—69,558 bbls, Gulf Oil Corp, Montana, Las Piedras
82,692 bbls, Gulf Oil Corp, Fagerfjell, Las Piedras
72,719.54 bbls, Texas Co, Malabar, Tampico
90,000 bbls, Atlantic Refining Co, Brunswick, Las Piedras
DERIVATIVE—100 dms, Hagen, Hamburg
POLISH, LIQUID METAL—35 cs, R T French Co, Manchester Brigade, Manchester
PYRITES—5,008 tons, General Chemical Co, Baron Ruthven, Huelva
3,400 tons, General Chemical Co, M C Holm, Quebec
2,630 tons, General Chemical Co, Oddvar, Setubal
SARDINE MEAL—1,000 bgs, Hokkai, Kobe
SEAWEED—40 bgs, F B Vandegrift & Co, Hagen, Hamburg
STEARIN—2 dms, R T French Co, Manchester Brigade, Manchester
TAPIOCA FLOUR—500 bgs, Tweedbank, Cheribon
500 bgs, New York Trust Co, Tweedbank, Tegal
VANILLA BEANS—7 cs, Tweedbank, Batavia
WOODFLOUR—2,250 bgs, B L Soberski, Taiwan, Greaker

San Francisco Imports

(Note:—Commodities listed hereunder were intended for import at San Francisco, but because of strike conditions no discharge was made at that port. The list therefore shows arrivals only, not actual imports. Some vessels are remaining in port awaiting an opportunity to discharge.)

ALCOHOL—40 dms, S L Jones & Co, Silveray, Manila
BRISTLES—83 cs, N Wagman, President Coolidge, Tsingtao
28 cs, Corn Exchange Bank & Trust Co, President Coolidge, Teingtao
134 cs, B C Ritchie, President Coolidge, Tientsin
10 cs, Frederick H Cone & Co, President Coolidge, Tientsin
100 cs, Thos J Kane & Co, President Coolidge, Tientsin
CALCIUM HYPOCHLORITE—140 dms, Balfour, Guthrie & Co, Assama, Kobe
COCONUT, DESIC—786 cs, Balfour, Guthrie & Co, President Coolidge, Manila
600 cs, J E Lowden, President Coolidge, Manila
931 cs, Wood & Selick, President Coolidge, Manila
1,855 cs, Durkee Famous Foods, President Coolidge, Manila
1,893 cs, Philippine Desicated Coconut Corp, President Coolidge, Manila
8,378 cs, Franklin Baker Co, President Coolidge, Manila
COPRA—Quantity, New York, Tacloban
Quantity, New York, Cebu
Quantity, New York, Masbate
MEAL—4,000 sks, Pacific Vegetable Oil Corp, Silveray, Manila
10,000 sks, El Dorado Oil Works, Silveray, Manila (for Oakland)
FERROPHOSPHORUS—1,000 cs, Rakuyo, Yokohama
GUM COPAL—100 sks, Silveray, Singapore
DAMMAR—50 cs, Silveray, Batavia
500 cs, H M Newhall & Co, Silveray, Batavia
LARD, VEGETABLE—3,000 tins, M S Cowen Co, President Coolidge, Manila
MARGARIN—800 cs, M S Cowen Co, President Coolidge, Manila
OIL, CHINAWOOD—50 dms, Pacific Vegetable Oil Corp, Asama, Shanghai
Quantity, Werner & Smith Co, President Coolidge, Shanghai
Quantity, S L Jones & Co, President Coolidge, Shanghai
Quantity, East Asiatic Co, President Coolidge, Shanghai
PALM—Quantity, Silveray, Belawan
TEASEED—50 dms, President Coolidge, Hongkong
PEPPER, BLACK—505 sks, Silveray, Oosthaven
WHITE—81 sks, Silveray, Pangkal Pinang
SILICA SAND—2,200 tons, Balfour, Guthrie & Co, San Antonio, Antwerp
TAPIOCA FLOUR—50 sks, P J Frawley, Silveray, Batavia
100 sks, Guaranty Trust Co of N Y, Silveray, Cheribon
111 sks, Silveray, Sourabaya
WATER, MINERAL—240 cs, American Agency of French Vichy, San Antonio, Havre

Savannah Imports

CALCIUM, NITRATE—698,550 kilos, Toledo, Heroen
FERTILIZER, LEATHERMEAL — 495 bgs, Saccarappa, Antwerp
NITROGENOUS—4,830 bgs, Saccarappa, Rotterdam
OIL, PALM—3 tons, 11 cwt, Silverbeech, Belawan
POTASH, MANURE SALT—Quantity, Saccarappa, Antwerp
SAGO FLOUR—1,828 bgs, Silverbeech, Singapore
SALTCAKE—Quantity, Saccarappa, Antwerp
STARCH, POTATO—1,000 bgs, Saccarappa, Rotterdam

Exports from U.S. Ports

New York Exports

Clearance Dates

Ancon, October 20; Atlantida, November 20; Black Tern, November 22; Bergensfjord, November 23; Bremen, November 20; Bronnoy, November 7; Carabobo, November 5; City of Kimberley, November 19; Coamo, November 19; Comanchee, November 19; Exmouth, November 21; Gitano, November 25; Hamburg, November 18; Ingerfire, November 25; Ingrid, November 17; Isarco, November 20; Laconia, November 20; Lillgunor, November 25; Mandu, November 20; New Orleans, November 20; Pastores, November 19; Ponce, November 21; Rotterdam, November 20; Schodack, November 28; Sessa, November 18; Statendam, November 10; Washington, November 18; Waukegan, November 21

ACETONE—(Lagaholm) 24,840 lbs, Norrkoeping; 4,992 lbs, Helsingfors; 44,518 lbs, Clan Ogilvy, Lourenco Marques
ACID, BORIC—1,676 lbs, Bronnoy, Buenaventura
BUTYRIC—197 lbs, Schodack, Havre
DRY—6,729 lbs, Hamburg, Hamburg
STEARIC—6,615 lbs, Clan Ogilvey, East London
SULPHURIC—8,421 lbs, Bronnoy, Callao
TANNIC—888 lbs, Atlantida, Santiago
ACETIC ANHYDRIDE—2,400 lbs, Rotterdam, Rotterdam
ALCOHOL, BUTYL—1,430 gls, Schodack, Havre
AMMONIA, ANHYD—1,733 lbs, Bronnoy, Buenaventura
SULPHATE—303,750 lbs, Ponce, Guanica
ASPHALT—44,584 lbs, City of Kimberley, Manila; 70,842 lbs, Carabobo, La Guayra; 46,634 lbs, Schodack, Dunkirk; 115,613 lbs, Mandu, Rio de Janeiro; 8,060 lbs, Clan Ogilvey, Port Elizabeth
SOLID—14,402 lbs, Laconia, Liverpool
BAKING POWDER—(Hamburg) 21,350 lbs, Gothenburg; 38,800 lbs, Stockholm
BENZENE—100 gls, Clan Ogilvey, Walvis Bay
CADMIUM ARSENATE—2,844 lbs, Sessa, Arica
SULPHIDE—4,158 lbs, Washington, Hamburg
CALCIUM ARSENATE—(Bronnoy) 23,449 lbs, Paita; 22,750 lbs, Pisco; 241,183 lbs, Callao
CHEMICALS—4,362 lbs, Schodack, Havre; 2,820 lbs, Rotterdam, Rotterdam
CLAY—33,600 lbs, Hamburg, Copenhagen; 11,200 lbs, Hamburg, Hamburg; 40,000 lbs, Bergensfjord, Oslo
COALTAR—9,328 lbs, Sessa, Callao
COLOR, DRY—3,880 lbs, City of Kimberley, Manila, 1,606 lbs, Mandu, Rio de Janeiro; 640 lbs, Waukegan, Dublin; 1,130 lbs, Laconia, Liverpool
COTTON LINTERS—359,025 lbs, Isarco, Genoa
CORN FLOUR—(Bronnoy) 1,520 lbs, Paita; 8,540 lbs, Callao
SYRUP—7,686 lbs, Bronnoy, Guayaquil; 3,750 lbs, Clan Ogilvey, Port Elizabeth
DIBUTYL PHTHALATE—498 lbs, Hamburg, Hamburg
DICHLORODIFLUOROMETHANE — 428 lbs, Lagaholm, Helsingfors
DISINFECTANT—3,214 lbs, Bronnoy, Paita
DRUGS—1,128 lbs, Hamburg, Hamburg
DYES—8,160 lbs, New Orleans, Rangoon; 10,277 lbs, Washington, Havre; 4,057 lbs, Hamburg, Hamburg; 3,440 lbs, Exmouth, Tunis; 10,810 lbs, Steelmaker, Alexandria; 6,112 lbs, Rotterdam
DYEWOOD EXTRACT—1,167 lbs, Bronnoy, Callao
ETHER—1,100 gls, Steelmaker, Haifa
ETHYLENEDIAMINE—1,437 lbs, Schodack, Havre
FUEL, ANTI KNOCK COMP—7,150 gls, Isarco, Genoa
GLUCOSE—10,250 lbs, New Orleans, Rangoon
GREASE, LUBRICATING—(Hamburg) 636,805 lbs, Hamburg; 1,734 lbs, Riga; 8,140 lbs, Ancon, Callao; 18,219 lbs, Isarco, Genoa; (City of Kimberley) 23,586 lbs, Manila; 3,300 lbs, Iloilo; 28,246 lbs, Hongkong; 96,921 lbs, Schodack, Havre; (Bronnoy) 3,718 lbs, Guayaquil; 3,401 lbs, Mollendo; 29,383 lbs, Tocopilla; 5,876 lbs, Antofagasta; 6,995 lbs, Valparaiso; (Clan Ogilvey) 4,804 lbs, Walvis Bay; 2,906 lbs, Luderitzbucht; 10,148 lbs, Mossel Bay; 8,085 lbs, Lourenco Marques; 2,978 lbs, Sessa, Buenaventura; 77,532 lbs, Laconia, Liverpool; 26,521 lbs, Bergensfjord, Oslo; (Gitano) 14,120 lbs, Hull; 90,212 lbs, Newcastle; (Waukegan) 121,651 lbs, Manchester; 20,104 lbs, Liverpool; 16,120 lbs, Ingrid, Guira
HYDROGEN, PEROXIDE—23,249 lbs, Sessa, Callao
INK, PRINTING—763 lbs, Hamburg, Hamburg
INSECTICIDE, HOUSEHOLD—8,100 lbs, Carabobo, La Guayra; 22,564 lbs, Clan Ogilvey, Lourenco Marques
IRON OXIDE—2,470 lbs, Rotterdam, Amsterdam
KEROSENE—7,000 gls, Ancon, Port Prince; 1,100 gls, Carabobo, Maracaibo
LACQUER—2,520 lbs, Black Tern, Antwerp; 924 lbs, Schodack, Havre
THINNER—550 gls, Clan Ogilvey, Port Elizabeth
LARD—34,100 lbs, Coamo, San Juan; 155,700 lbs, Hamburg, Hamburg; 24,800 lbs, Black Tern, Antwerp; 26,330 lbs, Rotterdam, Rotterdam; 41,600 lbs, Gitano, Hull; 163,447 lbs, Waukegan, Manchester
LEAD ACETATE—216 lbs, Ponce, Ponce
BLUE—4,730 lbs, Bergensfjord, Sandefjord
RED—11,914 lbs, Lagaholm, Gothenburg
WHITE—2,160 lbs, Ponce, San Juan; 58,670 lbs, Rotterdam, Rotterdam
LEAVES—4,649 lbs, Schodack, Havre
LINSEED CAKE—452,269 lbs, Black Tern, Rotterdam
MALEIC ANHYDRIDE—522 lbs, Schodack, Havre
MEDICINAL PREPS—1,105 lbs, Atlantida, Santiago
NAPHTHA—3,850 gls, Clan Ogilvey, Port Elizabeth
OIL, BRIGHT STOCK—824 tons, Comanchee, England
CASTOR—1,049 lbs, Ancon, Amapala; 438 lbs, Ponce, San Juan
CASTOR, SULPHONATED—22,808 lbs, Rotterdam, Rotterdam
CEDARWOOD—2,938 lbs, Schodack, Havre
CHINAWOOD—12,517 lbs, Isarco, Genoa
CORN—(Clan Ogilvey) 1,502 lbs, Capetown; 3,150 lbs, Port Elizabeth; 2,220 lbs, Port Natal; 6,752 lbs, Lourenco Marques; 3,029 lbs, Sessa, Buenaventura
CYLINDER—1,861 tons, Comanchee, England
FISH—14,943 lbs, Laconia, Liverpool
LEMON—310 lbs, Schodack, Havre
LONG BURNING—1,593 tons, Comanchee, England
LUBRICATING—(New Orleans) 11,810 gls, Bombay; 2,100 gls, Madras; 1,680 gls, Rangoon; 29,330 gls, Calcutta; (Hamburg) 254,096 gls, Hamburg; 5,790 gls, Riga; 5,040 gls, Washington, Hamburg; (Ancon) 3,300 gls, Callao; 1,540 gls, Amapala; (Isarco) 56,524 gls, Genoa; 14,322 gls, Naples; 7,980 gls, Bremen, Bremen; (Exmouth) 10,976 gls, Oran; 23,325 gls, Tunis; (Black Tern) 3,740 gls, Antwerp; 1,470 gls, Amsterdam; (Schodack) 2,100 gls, Havre; 47,500 gls, Dunkirk; (Bonnoy) 1,100 gls, Buenaventura; 2,145 gls, Guayaquil; 1,210 gls, Mollendo; 13,200 gls, Tocopilla; 1,485 gls, Antofagasta; 9,350 gls, Valparaiso; 1,170 gls, Coquimbo; 2,245 gls, Corral; 1,705 gls, Talcahuano; (City of Kimberley) 1,100 gls, Iloilo; 4,125 gls, Hongkong; 3,300 gls, Pastores, Porto Colombia; 4,950 gls, Carabobo, La Guayra; (Lagaholm) 3,150 gls, Gothenburg; 1,764 gls, Abo; (Mandu) 42,185 lbs, Rio de Janeiro; 3,450 gls, Porto Alegre; 9,396 gls, Santos; 1,650 gls, Ponce, Ponce; 2,300 tons, Comanchee, England; (Clan Ogilvey) 4,575 gls, Walvis Bay; 7,150 gls, Luderitzbucht; 8,400 gls, Mossel Bay; 1,980 gls, Port Natal; 6,735 gls, Lourenco Marques; (Sessa) 4,400 gls, Buenaventura; 4,125 gls, Callao; 1,930 gls, Valparaiso; 15,895 gls, Laconia, Liverpool; (Steelmaker) 3,850 gls, Bombay; 4,950 gls, Calcutta; (Bergensfjord) 4,330 gls, Trondhjem; 8,442 gls, Bergen; 132,098 gls, Oslo; (Rotterdam) 13,365 gls, Rotterdam; 28,518 gls, Amsterdam; (Gitano) 18,077 gls, Hull; 21,360 gls, Newcastle; (Waukegan) 1,260 gls, Dublin; 57,360 gls, Manchester; 2,200 gls, Ingrid, Port Pitre
OLEO—7,014 lbs, Laconia, Liverpool; 11,851 lbs, Rotterdam, Rotterdam
PALE—1,786 tons, Comanchee, England
PINE—36,040 lbs, Clan Ogilvey, Beira; 6,113 lbs, Bergensfjord, Trondhjem
SALAD—520 lbs, Ponce, San Juan
SPINDLE—225 tons, Comanchee, England
VALVE—650 tons, Comanchee, England
PAINT—5,640 lbs, Ancon, Buenaventura; 3,120 lbs, New Orleans, Bombay; 8,003 lbs, Atlantida, Santiago; (Bronnoy) 20,383 lbs, Buenaventura; 1,740 lbs, Arica; 1,200 lbs, Ponce, San Juan; 22,191 lbs, Sessa, Buenaventura; 3,252 lbs, Bergensfjord, Oslo; 1,748 lbs, Ingrid, Trinidad
THINNER—(New Orleans) 770 gls, Karachi; 1,150 gls, Bombay; 1,220 gls, Rangoon; 3,300 gls, Calcutta; (Clan Ogilvey) 200 gls, Walvis Bay; 250 gls, Luderitzbucht; 100 gls, Mossel Bay
PARAFFIN—(Isarco) 170,591 lbs, Genoa; 483,350 lbs, (Naples; 16,950 lbs, Atlantida, Santiago; 2,222 lbs, Lagaholm, Helsingfors; 11,200 lbs, Exmouth, Ceuta; 33,871 lbs, Black Tern, Antwerp; (Bronnoy) 11,077 lbs, Cali; 18,304 lbs, Buenaventura; 127,777 lbs, Guayaquil; 21,953 lbs, Valparaiso; (Mandu) 33,490 lbs, Rio de Janeiro; 63,848 lbs, Porto Alegre; 28,842 lbs, Sessa, Tumaco; (Bergensfjord) 2,224 lbs, Bergen; 2,224 lbs, Kristiansand; 22,498 lbs, Oslo; 13,613 lbs, Rotterdam, Rotterdam; 11,210 lbs, Gitano, Newcastle; 11,319 lbs, Waukegan, Manchester
REFINED—(Hamburg) 22,244 lbs, Memel; 11,122 lbs, Tallinn; 73,629 lbs, Isarco, Genoa; 11,122 lbs, Black Tern, Rotterdam
SCALE—8,765 lbs, Isarco, Genoa; 6,120 lbs, Rotterdam, Rotterdam; (Waukegan) 474,806 lbs, Manchester; 121,436 lbs, Cork
PETROLEUM, REF'D — (Ponce) 7,000 gls, Ponce; 2,000 gls, Aguadilla
PHARMACEUTICAL PREP'S—4,700 lbs, Hamburg, Abo
PITCH—100,180 lbs, Laconia, Liverpool
COALTAR—176,640 lbs, Isarco, Genoa; 4,920 tons, Ingerfire, Calais
POTASH, CHLORIDE—(Lilligunoor) 2,860,000 lbs, Herden; 622,985 lbs, Moss
RESIN—1,026 lbs, Lagaholm, Stockholm
SYNTHETIC—38,911 lbs, Hamburg, Hamburg
ROSIN—4,717 lbs, Laconia, Liverpool
RUBBER ACCELERATOR — 11,880 lbs, Laconia, Liverpool
SENEGA ROOT—2,239 lbs, Hamburg, Hamburg
SILICA, GR'D—7,220 lbs, Mandu, Santos
SOAP—13,970 lbs, Sessa, Buenaventura
LAUNDRY—5,200 lbs, Ingrid, St Croix
TOILET—18,000 lbs, Bergensfjord, Oslo
SODA ASH—(New Orleans) 15,010 lbs, Karachi; 226,114 lbs, Calcutta; 66,959 lbs, Mandu, Rio de Janeiro; 12,925 lbs, Sessa, Buenaventura
BICARBONATE—1,207 lbs, Bronnoy, Buenaventura; 57,965 lbs, Sessa, Buenaventura
BROMIDE—268 lbs, Lagaholm, Gothenburg
CAUSTIC—(Bronnoy) 10,747 lbs, Guayaquil; 10,780 lbs, Buenaventura; (New Orleans) 140,562 lbs, Karachi; 97,060 lbs, Calcutta; 24,908 lbs, Coamo, Ciudad; 250,775 lbs, Mandu, Rio de Janeiro; 4,300 lbs, Ponce, San Juan; (Sessa) 14,322 lbs, Buenaventura; 14,344 lbs, Mollendo; 42,350 lbs, Talcahuano; 55,015 lbs, Steelmaker, Karachi
CYANIDE—6,800 lbs, Pastores, Porto Colombia; (Sessa) 4,070 lbs, Buenaventura; 2,475 lbs, Tumaco
SILICATE—46,250 lbs, Coamo, Ciudad; 10,938 lbs, Ponce, San Juan; 7,979 lbs, Sessa, Arica
STARCH—2,170 lbs, Ponce, Ponce; 2,500 lbs, Gitano, Hull

STARCH, CORN—2,294 lbs, Coamo, Ciudad; 14,100 lbs, Waukegan, Dublin; (Ingrid) 566 lbs, St Thomas; 708 lbs, St Croix
LAUNDRY—4,200 lbs, Pastores, Porto Columbia
STEARIN, OLEO—23,613 lbs, Rotterdam, Rotterdam
SULPHUR—4,120 lbs, Clan Ogilvey, East London
TALLOW—23,808 lbs, Coamo, Ciudad
TANNING EXTRACT—(Clan Ogilvey) 4,120 lbs, Port Elizabeth; 6,180 lbs, East London
TITANIUM LITHOPONE—2,580 lbs, Lagaholm, Stockholm
TURPENTINE—(Sessa) 500 gls, Callao; 400 gls, Mollendo; 1,650 gls, Valparaiso; 1,000 gls, Talcahuano
WATERPROOF COMP—10,524 lbs, Black Tern, Antwerp
ZIRCONIUM OXIDE—5,470 lbs, Schodack, Havre

Baltimore Exports

Clearance Dates

Anneliese Essberger, November 25; Astra, November 23; Bauta, November 23; Blankaholm, November 23; Maasdam, November 19; Naruto Maru, November 20; Silvercypress, November 25; Uhenfels, November 20.

ALUMINUM PASTE, COMP—1,500 lbs, Bauta, Maracaibo
AMMONIA SULPHATE—1,164 tons, Silvercypress, Iloilo
ASPHALT—11 tons, Naruto, Kobe
CALCIUM CHLORIDE—2,000 lbs, Bauta, Maracaibo
FIRECLAY—73 tons, Uhenfels, Bahrein
FURFURAL, Tech—33,000 lbs, Maasdam, Rotterdam
GREASE—(Bauta) 3,986 lbs, La Guaira: 3,307 lbs, Puerto Cabello
LUBRICATING—7,000 lbs, Bauta, Maracaibo; 17,368 lbs, Maasdam, Rotterdam
INSECTICIDE—(Pauta) 1,807 lbs, Curacao; 568 lbs, Caracas
NICKEL SULPHATE—6,000 lbs, Anneliese Essberger, Kobe
LACQUER, NITROCELLULOSE — 12 gls, Bauta, Maracaibo
THINNER—12 gls, Bauta, Maracaibo
OIL, LEATHER—53 gls, Bauta, La Guaira
LINSEED—6,000 lbs, Bauta, Maracaibo
LUBRICATING—359 bbls, Bauta, Maracaibo; 280 gls, Maasdam, Rotterdam
PAINTS, PREPARED—2,051 gls, Bauta, Maracaibo
POLISH, METAL—4,241 lbs, Anneliese Essberger, Manila
PUTTY—100 lbs, Bauta, Maracaibo
RUTILE — 4,000 lbs, Anneliese Essberger, Kobe
SHELLAC—6 gls, Bauta, Maracaibo
STARCH—33,000 lbs, Blankaholm, Gothenberg
TELLURIUM, POWD—221 lbs, Naruto, Kobe
TITANIUM LITHOPONE—1,200 lbs, Blankaholm, Malmo
TURPENTINE SUBSTITUTE—250 gls, Bauta, Maracaibo
VARNISH—116 gls, Bauta, Maracaibo

Beaumont Exports

Clearance Date

Superga, November 16

PETROLEUM, CRUDE—60,000 bbls, Superga, Venice

Boston Exports

Clearance Dates

Esparta, November 20; Evangeline, November 25; Hokkai, November 23; Laconia, November 22; Lady Rodney, November 28; Mahronda, November 19; McKeesport, November 28; Niel Maersk, November 19; Tweedbank, November 21; Yarmouth, November 21

ACID, SULPHURIC—(Esparta) 30 crbys, 5,760 lbs, Havana; 8 dms, 6,200 lbs, Port Limon
ALUMINA OXIDE—1 bx, 3,267 lbs, Mahronda, London
SULPHATE—200 bgs, 40,000 lbs, Esparta, Havana
ASBESTOS—600 bgs, Hokkai Maru, Kobe
CARBON DISULPHIDE—10 cs, 500 lbs, Esparta, Havana
CEMENT—1 dm, 37 lbs, Mahronda, London
BONDING—1 kg, 25 lbs, Mahronda, London
CAN—20 dms, 900 lbs, Hokkai, Yokohama
COUNTER—1 dm, 54 lbs, Hokkai, Yokohama
WATERPROOF—1 cs, 111 lbs, Niel Maersk, Shanghai
CHARCOAL, WOOD—3 bbls, 200 lbs, Mahronda, London
CLAY—244 bbls, 31 tons, Mahronda, London
COALTAR—(Esparta) 10 dms, 5,680 lbs, Santiago; 30 dms, 1,620 gls, Esparta, Havana
DISINFECTANT, COALTAR—45 bbls, Esparta, Havana
DRESSING, SHOE—45 bbls, Esparta, Havana; (Esparta) 1 cs, 30 lbs, Kingston; 74 cs, 4 bbls, 8 ctns, Havana
FERTILIZER—6 bgs, 600 lbs, Lady Rodney, Hamilton
FISH LIVERS—50 bxs, 1,265 lbs, Laconia, Liverpool
GLUE, FISH—5 bbls, 2,700 lbs, Mahronda, London
GREASE, LUBRICATING—1 bbl, 405 lbs, Yarmouth, Yarmouth
SOAP—1 kg, 10 bbls, 4,231 lbs, Esparta, Cardenas
GUM, SYNTHETIC COMP—1 bx, 40 lbs, Mahronda, London
INK, MARKING—1 cs, 1 lb, Esparta, Havana
PRINTING—2 cs, 214 lbs, Laconia, Manchester; 1 cs, 71 lbs, Mahronda, London; 2 bbls, and 11 kits, 1,480 lbs, Esparta, Havana; (McKeesport) 100 dms, 44,343 lbs, Manchester; 100 dms, 44,298 lbs, Glasgow
IRON, OXIDE—1 bx, 50 lbs, Laconia, Middlesborough
PYRITES—1 bx, 50 lbs, Laconia, Middlesborough
LINING COMP—7 dms, 2,845 lbs, Mahronda, London; 12 dms, 5,485 lbs, Tweedbank, Hongkong
MEDICINAL PREPS—67 cs, 3,551 lbs, Laconia, Nottingham; 312 bxs, 1,560 gls, Mahronda, London
OIL, FLOOR—8 cs, 75 gls, Mahronda, Cairo
LUBRICATING—(Laconia) 1 cs, 80 lbs, Manchester; 12 cs, 840 lbs, Laconia, Liverpool; 2 dms, 100 gls, Yarmouth, Yarmouth
SESAME—1 cs, 10 lbs, Evangeline, Sydney
PAINT, COPPER—10 cs, 100 gls, Esparta, Colon
PASTE, ADHES—4 dms, 351 lbs, Mahronda, London
PITCH, COALTAR—20 kgs, 2,051 lbs, Esparta, Havana
POLISH, AUTO—2 cs, 30 lbs, Laconia, Leeds
SHOE—20 cs, 2,860 lbs, Mahronda, Bagdad; 44 crtns, 457 lbs, Esparta, Panama
PRESERVER, LEATHER BELT—1 cs, 202 lbs, Laconia, Bombay
SHELLAC—1 bg, Evangeline, Saint John
SILICON CARBIDE—4 kgs, 1 bx, 370 lbs, Mahronda, London
SOAP, FLAKES—10 cs, 334 lbs, Tweedbank, Manila; 22 cs, 736 lbs, Esparta, Havana
TAR—600 cs, 18,750 lbs, Tweedbank, Manila; 55 cs, 1,379 lbs, Esparta, Havana
TOILET—110 cs, 2,550 lbs, Laconia, Leeds; 2,560 cs, 38,335 lbs, Tweedbank, Manila, 50 cs, 1,219 lbs, Esparta, Havana
SODA, SILICATE—1 dm, 612 lbs, Yarmouth, Yarmouth
SULPHIDE—1 dm, 571 lbs, Evangeline, Windsor
SOLDER FLUX—1 dm, 64 lbs, Hokkai, Yokohama; 2 dms, 270 lbs, Tweedbank, Hongkong
TANNING MATERIAL—1 bbl, 516 lbs, Hokkai, Amoy
TOILET PREPS—2 cs, 242 lbs, Laconia, Nottingham
WELDING COMP—2 bxs, 300 lbs, Yarmouth, Kentville

Corpus Christi Exports

Clearance Dates

Atlantic, November 12; Iolcos, November 15; Teresa Odero, November 8

OIL, FUEL—3,483 bbls, Teresa Odero, Italy
PETROLEUM, CRUDE—48,8 0 bbls, Teresa Odero, Italy; 81,970 bbls, Atlantic, Marseilles; 77,591 bbls, Iolcos, Foreign

Galveston Exports

Clearance Dates

Asuka, November 19; Frode, November 21

BLACK, CARBON—(Asuka), 905 cs, Osaka; 100 cs, Shanghai
SULPHUR—50 tons, Frode, Copenhagen

Houston Exports

Clearance Dates

Actor, November 19; Belfast, November 23; Colorado Springs, November 23; Frode, November 20; Maddalena Odero, November 23; Markland, November 21; Tiflis, November 19

BLACK CARBON—(Actor), 3,300 bgs, 1,344 cs, Liverpool; 350 pkgs, Manchester; 7,130 pkgs, Liverpool/Manchester; (Belfast), 11 tons, Yokohama; 65 tons, Kobe; 65 tons, Colorado Springs, Kobe; 150 cs, 400 bgs, Maddalena Odero, Genoa
GASOLINE—2,930,444 gls, Markland, Bordeaux/Antwerp
OIL, LUBRICATING—50 bbls, Frode, Copenhagen
SULPHUR, BRICK—2,000 lbs, Tiflis, Navorissisk

Mobile Exports

Clearance Date

Sorvangen, November 24

CHEMICALS—(Sorvangen), 25 bbls, 75 cs, Kingston; 25 cs, Georgetown
ROSIN—60 bbls, Sorvangen, Kingston
TOILET GOODS—2 crts, Sorvangen, Port of Spain
TURPENTINE—2 dms, Sorvangen, Kingston

New Orleans Exports

Clearance Dates

Atna, November 11; Aussa, November 19; Austvangen, November 10; Baja California, September 18; Edam, November 18; Ganafjord, September 30; Metapan, October 2; Newsome, September 23; Nyhaug, November 19; Santa Marta, September 11; 29; Schwarzes Meer, November 23, Sixaola, September 25; Sixaola, September 18; Tola, September 21; Teresa, November 11; Tivives, September 24; West Harshaw, November 14

ASPHALT—40 tons, Edam, Antwerp
BLACK, CARBON—(West Harshaw) 5 tons, Liverpool; 6 tons, Manchester; 14 tons, Liverpool-Manchester; 10 cs, Santa Marta, Puerto Bolivar Ecuador; 22 cs, Tivives, Valparaiso; (Nyhaug) 85 tons, Rotterdam; 7 tons, Amsterdam; 10 cs, Teresa, Castanza; (Aussa) 5 tons, Marseilles; 10 tons, Genoa; (Edam) 19 tons, Antwerp; 1 ton, Rotterdam; 9 tons, Amsterdam
CALCIUM ARSENATE—200 cs, Sixaola, La Union; (Metapan) 100 dms, Callao; 500 dms, Huacho; 300 dms, Pisco
CARBIDE—500 dms, Metapan, Cristobal
CHLORIDE—6 dms, Metapan, Panama
CLAY—100 sks, Metapan, Puerto Colombia
GROUND—27 tons, Nyhaug, Rotterdam
COCOA (WASTE—20 tons, Nyhaug, Amsterdam
COPPERAS—8 tons, Santa Marta, Tela
COTTONSEED MEAL—3,000 sks, Metapan, Havana
CULVER'S ROOT—2 tons, Nyhaug, Rotterdam
FERTILIZER—10 sks, Sixaola, Panama
FIRECLAY—(Santa Marta) 61 tons, Havana; 21 tons, Colon; 13 tons, Buenaventura; 20 tons, Sixaola, Cartagena; 127 tons, Tivives, Tocopilla; 7 tons, Edam, Antwerp; (Metapan) 56 tons, Havana; 17 tons, Puerto Colombia; 32 dms, Callao
GASOLINE—106 dms, Baja California, Bluefields; 100 dms, Newsome, Tela; 20 dms, Sinaloa, Bluefields; 150 dms, Gansfjord, Puerto Barrios; (Austvangen) 5 dms, Port au Prince; 100 dms, Paramaribo
GLUCOSE—20 hf bbls, Sixaola, Cartagena
GREASE, LUBRICATING—10 qtr dms, Metapan, Cartagena
INK—19 dms, Sixaola, Havana
INSECTICIDE—1 ton, Santa Marta, Havana; 4 dms, Sixaola, Havana
KEROSENE—25 dms, Santa Marta, Bocas del Toro; 150 cs, 2 dms, Baja California, Bluefields; 50 dms, Tela, Puerto Barrios; 120 dms, 400 cs, Newsome, Kingston; 110 cs, 25 dms, Sinaloa, Bluefields; 400 cs, Gansfjord, Kingston; 28 dms, 75 cs, 30 crtns, Metapan, Puerto Limon; (Austvangen) 200 cs, 5 dms, Port au Prince; 300 cs, Willemstad; 50 dms, 500 cs, Paramaribo; 40 cs, Moengo
LARD—21 tons, West Harshaw, Manchester; (Santa Marta) 75 crtns, 1,150 dms, 500 tins, Havana; 165 tins, Panama; (Sixaola) 975 tins, 675 dms, Havana; 20 cs, Balboa; 150 tins, Panama; 300 tins, Puntarenas; 600 dms, Newsome, Santiago; (Tivives) 1,050 dms, 700 tins, 25 cs, 50 crtns, Havana; 10 tins, Bocas del Toro; 150 tins, Panama; 6 trcs, 50 tins, Tumaco; 15 crtns, Sinaloa, Bluefields; (Metapan) 800 dms, 225 tins, Havana; 10 crtns, Puerto Limon; 50 crtns, Buenaventura; 100 tins, 3 cs, Austcangen, Port au Prince
SUBSTITUTE—50 tins, Tivives, Panama
LIME—3,600 sks, Tela, Puerto Cortez; 2,400 sks, Newsome, Santiago
PHOSPHATE—20 bbls, Tivives, Havana
MANGANESE SULPHATE—4 tons, Santa Marta, Tela
MEDICINAL PREPS—25 crtns, Atna, Orenjestad
MILK POWDER—52 bxs, Austvangen, La Guaira
MINERAL SPTS—10 cs, Austvangen, Moengo
OIL, COTTONSEED—75 crtns, Metapan, Cristobal
FUEL—50 dms, Baja California, Bluefields; 98 dms, Sinaloa, Bluefields; 50 dms, Santa Marta, Puerto Barrios
GAS—20 dms, Metapan, Colon
LUBRICATING—30 tons, West Harshaw, Manchester; (Sixaola) 15 dms, Corinto; 8 dms, Mollendo; 8 dms, Baja California, Bluefields; 5 dms, Tivives, Corinto; (Schwarzes Meer) 2,374 tons, London; 1,330 tons, Birkenhead; 141 tons, Aussa, Marseilles; (Metapan) 6 dms, 4 cs, Panama 30 dms, Cartagena
MINERAL—72 tons, Aussa, Marseilles
PINE—14 tons, West Harshaw, Manchester; 3 tons, Aussa, Marseilles
REFINED—150 cs, Santa Marta, Puerto Limon; 275 cs, Tela, Puerto Cortez; 75 cs, Tivives, Puerto Limon
PARAFFIN—150 tons, Schwarzes Meer, London-Birkenhead
SCALE—64 tons, West Harshaw, London
PINETAR—23 tons, West Harshaw, Liverpool
ROSIN—(Santa Marta) 8 bbls, Panama; 15 dms, Puerto Limon; 200 sks, Puerto Colombia; 20 dms, Atna, Maracaibo; 50 dms, Austvangen, Puerto Cabello
GUM—220 bbls, Sixaola, Havana; 100 bbls, Metapan, Panama
WOOD—100 dms, Tivives, Havana; 100 dms, Metapan, Havana
SALT—22 tons, Tela, Belize; (Newsome) 5 tons, Kingston; 22 tons, Belize; (Santa Marta) 5 tons, Puerto Barrios; 25 tons Havana; (Metapan) 40 tons, Havana; 46 tons, Cristobal
SHRIMP BRAN— 20 sks, Tivives, Cristobal; 60 sks, Metapan, Cristobal; 80 sks, Santa Marta, Panama
SOAP—110 crtns, Sinaloa, Bluefields
POWDER—19 tons, Sixaola, Havana
STARCH, POWD—40 tons, Nyhaug, Rotterdam
SULPHUR—672 sks, Santa Marta, Puerto Bolivar, Ecuador
TURPENTINE—4 dms, Newsome, Kingston; 60 cs Metapan, Havana
VARNISH—3 dms, 40 cs, Gansfjord, Belize; 15 dms, Austvangen, Moengo
WAX—60 sks, Teresa, Durazzo

Norfolk Exports

Clearance Dates

Blankaholm, November 25; Maasdam, November 20.

DEER TONGUE LEAVES—20 bls, 9,579 lbs, Maasdam, Rotterdam
POTASH MURIATE—500 bgs, 50 tons, Maasdam, Rotterdam
SODA, NITRATE—200 bgs, 18 tons, Maasdam, Rotterdam
SOYBEAN MEAL—1,120 bgs, 50 tons, Blankaholm, Stockholm

Philadelphia Exports

Clearance Dates

Argentino, November 20; Blankaholm, November 21; Capulin, November 21; City of Rayville, November 21; Cliffwood, November 23; Examelia, November 23; Frankenwald, November 24; Gard, November 21; Manchester Hero, November 25; Orania, November 25; Tabinta, November 21

ACETONE—18 dms, Argentino, Buenos Aires
ALUMINA, SULPHATE—200 bgs, Argentino, Buenos Aires
ANTI-FREEZE COMP—1 bx, Blankaholm, Malmo; 1 bx, Cliffwood, Helsingfors
ASBESTOS POWDER—280 bgs, Argentino, Buenos Aires
ASPHALT—15 dms, Argentino, Buenos Aires
BENZOLENE—(Argentino) 83 dms, Buenos Aires; 10 dms, Montevideo
BLACK, BONE—10 bgs, Cliffwood, Gothenburg
LAMP—15 cs, Manchester Hero, Manchester
CEMENT, BUILDING—165 bbls, Manchester Hero, Liverpool
LEATHER BELT—1 bx, Blankaholm, Stockholm
RUBBER—1 pail, 1 dm, Orania, Buenos Aires
TILE, WATERPROOF—40 dms, Cliffwood, Stockholm
CLAY—1 bbl, Argentino, Buenos Aires
CLEANING POWDER—2 dms, Argentino, Buenos Aires
COTTON LINTERS—44 bls, Capulin, London
DYEWOOD EXTRACT—10 bbls, Blankaholm, Malmo; 10 bbls, Manchester Hero, Liverpool
GASOLINE—55,388 bbls, Storsten, Lisbon-Leixoes; 50 dms, 300 cs, Argentino, Montevideo; (Frankenwald) 1 cs, Hamburg; 13 cs, Prague
GLUE, DRY—25 pkgs, Blankaholm, Gothenburg
GREASE—7 dms, Orania, Buenos Aires
LUBRICATING—40 bbls, 30 dms, Storsten, Lisbon; 15 pails, 9 cs, 3 dms, Tabinta, Bangkok; (Argentino) 65 dms, 10 cs, Buenos Aires; 5 dms, 10 kgs, Rio de Janeiro; 15 pails, 5 cs, Santos; 11 dms, City of Rayville, Fremantle; (Blankaholm) 2 bxs, 5 bbls, Gothenburg; 18 dms, 2 bxs, Stockholm; 4 dms, Cliffwood, Gothenburg; 4 bbls, 1 dm, Manchester Hero, Liverpool
LICORICE MASS—360 cs, Capulin, Hull; 150 cs, Cliffwood, Copenhagen; 40 cs, 5 dms, Manchester Hero, Liverpool
LINSEED CAKE—1,568 bgs, Manchester Hero, Liverpool
MEAL—(Gard) 2,800 bgs, Bridgetown; 1,060 bgs, Port of Spain; 100 bgs, San Fernando; 100 bgs, Georgetown
LOGWOOD EXTRACT—25 bbls, Manchester Hero, Liverpool
MANGANESE ORE CONCE—650 bgs, Capulin, London
MEDICINAL PLANTS—2 bbls, Frankenwald, Hamburg
PREPARATIONS—90 bxs, Tabinta, Bangkok
OIL, CODLIVER—(Frankenwald) 75 dms, Kristiansund; 530 dms, Bergen
ENGINE—65 bbls, Capulin, London
ESSENTIAL—1 cs, Capulin, London
ILLUMINATING—2,850 bbls, Storsten, Lisbon-Leixoes; 2,400 cs, 650 dms, Argentino, Montevideo
LUBRICATING—1,295 bbls, 363 dms, 150 cs, 1,210 crtns, Storsten, Lisbon; (Tabinta) 85 dms, 51 cs, Bangkok; 29 dms, Batavia; 13 dms, Samarang; 16 dms, Sourabaya; (Capulin) 55 bbls, Hull; 110 bbls, Hamburg; (Argentino) 165 dms, 50 cs, Buenos Aires; 70 dms, 50 cs, Rio de Janeiro; 500 dms, 160 cs, 107 pkgs, Montevideo; 60 dms, 10 cs, Santos; (City of Rayville) 23 dms, 150 pls, 870 pkgs, Fremantle; 811 pkgs, Brisbane; 15 pkgs, Rockhampton; 22 pkgs, Cairns; 1,027 pkgs, Adelaide; 850 bbls, Examelia, Marseilles; (Blankaholm) 174 pkgs, Malmo; 870 pkgs, 25 bbls, 12 bxs, 27 dms, Stockholm; 94 pkgs, Norrkoping; 63 pkgs, Sundsvall; 88 pkgs, Helsingborg; 605 pkgs, 32 dms, 6 bxs, 35 bbls, Gothenburg; 137 pkgs, Helsinki; 75 bbls, Copenhagen; 17 dms, 1 bx, Cliffwood, Gothenburg; (Frankenwald) 155 bbls, 56 pkgs, Hamburg; 70 pkgs, Vienna;
OIL, LUBRICATING (Continued):—
30 bbls, Prague; 1,370 pkgs, Gfurgiu; 410 pkgs, Timisoara; 410 pkgs, Galatz; (Manchester Hero) 175 bbls, 35 dms, Liverpool; 2 pkgs, 36 bbls, Birkenhead
NEATSFOOT—6 dms, Argentino, Buenos Aires; 4 bbls, Examelia, Marseilles
PAINT—22 dms, 1 cs, 67 pls, Orania, Buenos Aires
PARAFFIN—(Frankenwald) 305 bgs, 382 bbls, Hamburg; 1,008 bbls, Stockholm; (Capulin) 212 bbls, London; 84 bbls, Hamburg; 41 bls, Blankaholm, Stugstund; (Manchester Hero) 212 bbls, Liverpool; 342 bbls, Manchester
REFINED—235 bgs, Manchester Hero, Liverpool
PETROLATUM—68 bbls, Capulin, Hamburg; 72 bbls, Manchester Hero, Liverpool
PITCH, PALM OIL—1 dm, Manchester Hero, Manchester
PUMICE—1 bbl, Argentino, Rio de Janeiro
RUBBER, SYNTHETIC—40 dms, Manchester Hero, Manchester
SOAP, LAUNDRY—300 bxs, Manchester Hero, Manchester
SODA ASH—1 dm, Cliffwood, Gothenburg
BICHROMATE—1 pl, Orania, Buenos Aires
TALC PULV—4 bgs, Cliffwood, Gdynia
TANNING EXTRACT, DRY—128 bbls, Argentino, Buenos Aires
MATERIAL—6 bbls, 1 dm, Argentino, Buenos Aires
TITANIUM ORE—85 bgs, Manchester Hero, Manchester
TOLUOL—25 dms, Argentino, Buenos Aires
TRIAMYLAMINE—1 bx, Frankenwald, Ludwigshafen
VARNISH—1 dm, Manchester Hero, Liverpool
WASHING COMP—51 cs, Frankenwald, Ludwigshafen

Port Arthur Exports

Clearance Dates

Belgian Gulf, November 12; Binta, November 15; Dungannon, November 18; Occidental, November 15; Stella Lykes, November 17; Tillie Lykes, November 14

ASPHALT—200 dms, 200 bbls, 80 cs, Occidental, Rio de Janeiro
LIQUID—1 dm, 1 bx, Tillie Lykes, Arecibo
SOLID—5 dms, Tillie Lykes, Arecibo
GASOLINE—50 cs, Tillie Lykes, San Juan; 44,980 bbls, Occidental, Rio de Jeneiro
GREASE, LUBRICATING—(Tillie Lykes) 1 dm, 15 cs, Aguadilla; 1 dm, 11 cs, Arecibo; 2 dms, Maracaibo; 26 cs, 16 dms, Ponce; 13 dms, Arroyo; 3 dms, 11 cs, Mayaguez; 14 dms, 15 pls, 60 cs, 1 bx, San Juan; 165 bbls, 20 kegs, 650 cs, Occidental, Rio de Janeiro; 20 dms, Stella Lykes, Ponce
KEROSENE—(Tillie Lykes) 700 cs, Aguadilla; 800 cs, Arecibo; 1,400 cs, Ponce; 250 cs, Fajardo; 1,505 cs, Mayaguez; 1 bx, 3,500 cs, San Juan; 7,740 bbls, 100 cs, Occidental, Rio de Janeiro
OIL, DIESEL, GAS—7,957 bbls, Occidental, Rio de Janeiro
FUEL—20,741 bbls, Dungannon, Antwerp
GAS—58,360 bbls, Belgian Gulf, Antwerp; 49,941 bbls, Binta, Copenhagen; 32,857 bbls, Dungannon, Antwerp
LUBRICATING—20,832 bbls, 80 dms, Belgian Gulf, Antwerp; (Tillie Lykes) 14 dms, 8 cs, Aguadilla; 5 dms, 1 cs, Arecibo; 84 dms, 91 cs, La Guaira; 17 dms, 75 cs, Ponce; 5 dms, Fajardo; 53 dms, Arroyo; 6 dms, 3 cs, Mayagues; 97 dms, 84 cs, San Juan; 6,194 bbls, 490 dms, 1,696 cs, Occidental, Rio de Janeiro; 3,781 bbls, 200 dms, Binta, Copenhagen; 180 dms, Stella Lykes, Ponce
POLISH, AUTO—2 dms, Occidental, Rio de Janeiro
SOLVENT, PAINT—200 dms, Occidental, Rio de Janeiro

San Francisco Exports

Clearance Dates

Eclipse, November 10; Granville, October, 30; H T Harper, October 31; La Placentia, October 31; Makura, November 16; Otokia, November 9; Pegasus, November 13; Roseville, November 12; San Diego, November 8; San Pedro, November 2; Taybank, October 29; Toa, November 11; Tulsagas, November 12

AMYL XANTHATE—2 dms, Taybank, Philippine Islands
ASPHALT—100 bbls, La Placentia, Shellburn
BENZENE—4 cs, Taybank, China
CHLORINE BLEACH, LIQ—(Taybank) 70 cyls, China
CLEANER, AUTO—5 cs, H T Harper, Vancouver
COMP, LIQ—6 cs, H T Harper, Vancouver
COLLODION—16 cs, Taybank, China
DEODORANT—3 cs, Taybank, Philippine Islands
DINITROTOLUENE—1 cs, Taybank, China
DISTILLATE—20 bbls, Taybank, China
GASOLINE—15 dms, H T Harper, Vancouver; 38,000 bbls, Tulsagas, Manila; 87,888 bbls, Pegasus, Sydney-Melbourne
AVIATION—3,373 bbls, Pegasus, Sydney-Melbourne
GREASE, LUBRICATING..17 dms, 8 hlf dms, 45 qtr dms, 255 pls, 100 cs, La Placentia, Shellburn; 47 cs, 8 dms, 5 pls, H T Harper, Vancouver
INSECTICIDE—7 cs, H T Harper, Vancouver
KEROSENE—30,000 bbls, Tulsagas, Manila; 435 tons, Roseville, Shanghai; 1,738 bbls, Pegasus, Sydney-Melbourne
LIGHTER FLUID—7 cs, H T Harper, Vancouver
NAPHTHA—10 dms, H T Harper, Vancouver
NITROUS OXIDE—8 crts, Makura, Wellington
OIL, SATCHING—1,012 bbls, Pegasus, Melbourne-Sydney
DIESEL—11,000 bbls, Taybank, China; 84,542 bbls, San Pedro, Japan; 8,000 bbls, Tulsagas, Manila; 400 tons, Roseville, Shanghai
FLOOR—2 cs, H T Harper, Vancouver
FUEL—15,000 bbls, La Placentia, Vancouver; 8,702 bbls, San Pedro, Japan; 20,998 bbls, San Diego, Japan; 1 dm, Otokia, Gensan; 8,881 bbls, Makura, Papeete
LUBRICATING—1 cs, 20 dms, Taybank, China; 25 dms, La Placentia, Shellburn; 430 dms, 17 cs, 4 pls, H T Harper, Vancouver; 9,497 bbls, Eclipse, Yokohama-Itosaki; 10,494 bbls, Roseville, Shanghai; 6,039 bbls, Pegasus, Melbourne-Sydney
PAINT, PREPARED—10 kgs, Taybank, Philippine Islands
THINNER—3,437 bbls, Pegasus, Melbourne-Sydney
PETROLEUM—1 dm, H T Harper, Vancouver
CRUDE—60,000 bbls, La Placentia, Shellburn; 32,882 bbls, San Pedro, Japan; 28,512 bbls, Otokia, Gensan; 86,500 bbls, Toa, Takuyama
POTASH, CAUSTIC—38 dms, Granville, Oslo
POLISH, METAL—2 dms, La Placentia, Shellburn
SHELLAC—1 cs, Taybank, Philippine Islands
SODA ETHYLXANTHATE—24 dms, Taybank, Philippine Islands
SOLVENT—10 dms, H T Harper, Vancouver
SULPHUR, SUBLIMED—45 sks, Taybank, Philippine Isands

TOILET PREPS—82 cs, Taybank, Philippine Islands
WAX, LIQUID—8 cs, H T Harper, Vancouver
PASTE—4 cs, H T Harper, Vancouver
POLISH—2 cs, H T Harper, Vancouver

Savannah Exports

Clearance Dates

City of Kimberly, November 23; Dagfred, November 19; Silverbeech, November 21; Skrim, November 21; Taurus, November 24.

CLAY—320 bgs, Taurus, Gdynia; (Skrim) 926 tons, Dalhousie; 1518 tons, Cornerbrook
OIL, PINE—1 cs, Dagfred, Tokio
ROSIN, GUM—(Dagfred) 625 bbls, Yokohama; 1,002 bbls, Kobe; (Taurus) 1,719 bbls, Oslo; 2,925 bbls, Gothenburg; 30 bbls, Norrkoeping; 175 bbls, Copenhagen; 77 bbls, Gdynia; 50 bbls, Reval; 30 bbls, Danzig; 100 bbls, Riga; (Silverbeech) 141 bbls, Capetown; 637 bbls, Durban; 70 bbls, Lourenco Marques; 27 bbls, Beira; 450 bbls, City of Kimberley, Manila
SIZE—(Taurus) 672 bgs, Gothenburg; 48 bgs, Oskarahemn; 224 bgs, Hudiksvall
WOOD—40 cs, Dagfred, Hongkong; (Taurus) 250 bbls, Gothenberg; 500 bbls, Wiborg; 150 bbls, Kotka; 85 bbls, Abo
SOLVENTS—5 dms, Taurus, Stockholm
TURPENTINE—1 cs, Dagfred, Kobe
GUM—(Dagfred) 20 dms, Yokohama; 50 cs, Shanghai; (Taurus) 40 dms, 70 bbls, Oslo; 47 dms, Gothenburg; 30 bbls, Stockholm; 200 bbls, Copenhagen; (Silverbeech) 310 dms, Capetown; 5 dms, Port Elizabeth; 5 dms, 15 cs, London; 100 dms, 90 cs, Durban; 250 cs, Lourenco Marques
WOOD—(Dragfred) 19 dms, Yokohama; 1,250 gls, Manila

Tampa Exports

Clearance Dates

Angrer, November 21; Belfast, November 14; Bordeaux, November 21; Laguna, November 19; Lindvangen, November 14; Maloa, November 20

GAS—8 tanks, Laguna, Belize
GASOLINE—10 dms, Laguna, Belize; 1 dm, Maloa, Belize; 1 dm, Angrer, Trujillo
DISTILLATE—8 dms, Angrer, Trujillo
KEROSENE—1 dm, Angrer, Trujillo
OIL, FUEL—49 dms, Maloa, Belize
LUBRICATING—5 dms, Maloa, Belize
PHOSPHATE—(Bordeaux) 1,500 tons, Osaka; 3,035 tons, Moji; 4,010 tons, Belfast, Yokohama
WAX—2 dms, Lindvangen, Kingston

Coastwise Shipments

Corpus Christi Coast Trade

GASOLINE—90,921 bbls, Christy Payne, Baytown
PETROLEUM, CRUDE—30,545 bbls, Federal, Houston; 105,826 bbls, W C Teagle, Baytown; 111,772 bbls, James McGee, Baytown; 53,774 bbls, Chilbar, Texas City; 49,672 bbls, Thermo, Texas City; 106,976 bbls, J A Moffett, Jr, Baytown; 104,048 bbls, Beacon, Baytown; 141,340 bbls, G Harrison Smith, Baytown; 136,664 bbls, W S Farish, Baytown; 111,058 bbls, Walter Jennings, Baytown

Los Angeles Coast Trade

GASOLINE—51,000 bbls, Mojave, Seattle; 3,921 bbls, S & C No 41, San Diego; 70,415 bbls, Los Angeles, Oleum; 62,456 bbls, Lebec, Portland
OIL, DIESEL—23,000 bbls, Mojave, Seattle; 10,333 bbls, Tejon, Seattle; 745 bbls, S & C No 41, San Diego; 5,317 bbls, Lebec, Portland
FUEL—3,000 bbls, Mojave, Seattle; 57,746 bbls, Tejon, Seattle; 66,111 bbls, La Brea, Edmonds; 65,658 bbls, Paul Shoup, Seattle; 60,421 bbls, Eagle, Portland; 5,546 bbls, Lebec, Portland
FURNACE—1,873 bbls, Lebec, Portland
PETROLEUM, CRUDE — 78,093 bbls, La Placentia, Oleum

San Francisco Coast Trade

OIL, FURNACE—77,000 bbls, K R Kingsbury, Tiverton

Cargo Ship Arrivals

November 28 to December 11

New York

Agwistar	Vera Cruz*	Dec 8
American Farmer	London*	Dec 7
American Merchant	London*	Nov 30
American Trader	London*	Nov 28
Ancon	Cristobal*	Dec 7
Angol	Valparaiso*	Dec 8
Anna Maersk	Manila*	Dec 11
Augsburg	Adelaide*	Dec 9
Aurania	Southampton*	Dec 7
Awobasan	Singapore*	Nov 28
Batory	Gdynia*	Dec 10
Bayard	Bahia*	Dec 1
Berengaria	Southampton*	Dec 8
Besholt	Hernosand*	Dec 7
Bilderdijk	Rotterdam	Dec 4
Binnendijk	Rotterdam*	Nov 28
Black Falcon	Rotterdam*	Dec 1
Black Hawk	Antwerp*	Nov 29
Bodnant	Freetown	Nov 30
Boniface	Bahia*	Dec 1
Borinquen	Trujillo*	Dec 7
Bremen	Bremen*	Dec 10
Bristol City	Bristol*	Dec 4
Buenaventura	Port au Prince*	Dec 1
Calamares	Santa Marta*	Dec 10
Cameronia	Glasgow*	Dec 6
Caracas	Curacao*	Dec 10
Chateau Thierry	Panama	Dec 1
Chattanooga City	Honolulu	Dec 8
City of Evansville	Calcutta*	Nov 30
City of Fairbury	Gothenburg*	Dec 10
City of Flint	Dundee*	Dec 6
City of Rayville	Manila*	Nov 30
Coamo	Trujillo*	Nov 30
Cumbol	Pisco*	Dec 9
Eastern Prince	Buenos Aires*	Dec 9
Eberstein	Emden	Nov 28
Emilia	San Juan	Dec 7
Erland	Hernosand*	Dec 3
Estrella	Marseilles*	Dec 3
Excambion	Beirut*	Dec 9
Exchester	Genoa*	Dec 4
Exminster	Constanza*	Dec 5
Falcon	Curacao*	Dec 5
Flora	Curacao*	Nov 30
Fort Townshend	St Pierre*	Dec 10
Friedrich Engels	Leningrad	Dec 6
Georgia	Sundsvall*	Dec 9
Gerolstein	Antwerp	Dec 6
Haiti	Cristobal*	Nov 30
Hamburg	Hamburg*	Dec 11
Hammaren	Gothenburg*	Dec 6
Henri Jaspar	Antwerp	Dec 7
Hoegh Transporter	Venice*	Dec 3
Independence Hall	Dunkirk*	Nov 30
Janna	Ilheos*	Nov 30
Korsholm	Kotka*	Nov 28
Kota Tjandi	Batavia*	Dec 7
Kwanto	Hongkong*	Dec 6
Lages	Paranagua*	Dec 1
Lehigh	Glasgow	Dec 10
Liberty	Manchester*	Dec 5
Listo	London*	Nov 30
Livenza	Naples*	Dec 6
Lucia	Trieste*	Dec 3
Maidan	Calcutta*	Dec 3
Manuela	San Juan	Nov 30
Marisa Thorden	Vilpuri*	Dec 6
Musa	Puerto Barrios*	Dec 3
Nagara	Hongkong*	Nov 28
Nerissa	Barbados	Nov 30
Nordhavet	Genoa*	Dec 4
Nordkap	Santos	Nov 8
Normandie	Havre*	Dec 7
Northumberland	Glasgow	Nov 30
Oriente	Havana	Dec 1
Pan America	Buenos Aires*	Dec 2
Paraguayo	Rio de Janeiro*	Dec 8
Pastores	Cristobal*	Dec 7
Pennland	Antwerp*	Dec 8
Platano	Puerto Barrios*	Dec 10
Ponce	San Juan	Dec 8
President Polk	Manila*	Dec 1
Quirigua	Port Limon*	Dec 6
Registan	Busreh*	Nov 30
Rex	Naples*	Dec 10
Rhexenor	Hongkong*	Nov 29
Robin Adair	Mombasa*	Dec 5
Sagaporack	Gothenburg*	Nov 28
San Juan	San Juan	Dec 2
Santa Clara	San Antonio*	Dec 1
Santa Elena	Los Angeles*	Dec 11
Santa Rita	Valparaiso*	Dec 8
Satartia	Buenos Aires*	Dec 6
Scanpenn	Gothenburg*	Dec 4
Scythia	Liverpool*	Dec 7
Seatrain Havana	New Orleans*	Dec 8
Seatrain New York	New Orleans*	Dec 1
Sembilan	Batavia*	Dec 6
Siamese Prince	Singapore*	Nov 29
Siboney	Vera Cruz*	Nov 29
Sidney M Hauptman	Portland*	Dec 7
Silverash	Batavia*	Dec 6
Silverwalnut	Batavia*	Dec 9
Stuyvesant	Curacao*	Nov 30
Tai Shan	Manila*	Dec 1
Thode Fagelund	Buenos Aires*	Dec 1
Toloa	Santa Marta*	Dec 3
Troubador	Buenos Aires*	Dec 8
Uddeholm	Stockholm*	Dec 11
Uhenfels	Hamburg*	Nov 30
Urbino	Liverpool	Nov 30
Veerdam	Rotterdam*	Dec 5
Venice	Kobe*	Dec 11
Veragua	Port Limon*	Nov 29
Wales	Kobe*	Nov 29
Walter D Munson	Havana*	Dec 10
Washington	Hamburg*	Dec 10
Yucatan	Vera Cruz*	Dec 6

* And other ports

Recent Charters

CREOSOTE—8,000 tons, S S Beth, East Coast, United Kingdom, £2,750; Antwerp, Cadishead, Northern range or United States Gulf, £3,325; December 15-31
PETROLEUM—11,500 tons, S S Drafn, dirty, California, Tocopilla, 42c; December 1-20
11,500 tons, S S Fosna, dirty, Aruba, Rio Santos, 13s 3d; Montevideo, 14s 9d; Campana, 15s 6d; Buenos Aires, 16s; December 1-15
8,000 tons, S S Liss, Diesel oil, Aruba, Dakar, 6s; December
10,500 tons, S S Morgenen, crude-fuel, Aruba, West Coast Italy, 13s 6d, 6d extra Adriatic; December 5-15
8,000 tons, S S El Ciervo, fuel, Diesel, Aruba, Balboa, 11c; December
9,000 tons, S S Gylfe, California, Curacao, 14s; kerosene, distillate, December, followed by Curacao, Trinidad, United Kingdom, Continent, 11s, dirty; December 15-31
7,300 tons, S S Jole Fassio, gas oil, Aruba, 14s; Gulf, West Coast, Italy, 15s 6d, 6d extra Adriatic; December
8,000 tons, S S Iolcos, crude fuel, West Coast, Italy, 13s; Adriatic, 14s, 1s 6d extra if loads Gulf; December
7,500 tons, S S Rosario, dirty, Aruba, East Mediterranean, 11s 6d; December
8,500 tons, S S Beaulieu, dirty, Venezuela, United States, N H, 6s, one, two, three trips; December
9,000 tons, S S Tuscania, dirty, United States Gulf, Trieste, 14s 6d; January
9,000 tons, S S Scottish Musician, gas oil, Aruba or Curacao, United Kingdom, Continent, 11s; United States Gulf, 13s 3d; December-January
10,000 tons, S S Minister Wedel, clean, Northern Range, Durban, Capetown Range, 14s 6d; December
11,500 tons, S S Adelien, dirty, Aruba, Cuba, 15c; followed by Tampico, United States, N H, 26c; December
5,966 tons, S S Ferncastle, clean, California to North China, 14s; option China, Philippines, 15s; December
9,000 tons, S S La Habra, clean and gas oil, United States Gulf, Istanbul and Smyrna, 14s 3d; December
13,000 tons, S S O A Knudsen, dirty, Aruba, Eastern Mediterranean, 13s; December 15-31
13,000 tons, S S Langanger, clean, United States Gulf, United Kingdom, Continent, 11s 6d; November-December
8,000 tons, S S Vallejo, clean, Constanza, Hamburg, 9s 6d; December
9,000 tons, S S Vav, clean, Abadan, Mediterranean, 19s 6d; United Kingdom, Continent, 21s 6d; Scandinavia, 22s 6d; December 25-January 15
4,400 tons, S S Myriel, clean, Constanza, North Africa, 9s 6d; November
13,000 tons, S S Krossfonn, clean, Abadan, Mediterranean, 18s; United Kingdom, Continent, 20s; Scandinavia, 21s; discharging previous cargo South Africa; December 25-January 15
13,000 tons, S S Hoegh Hood, clean, United States Gulf, South Africa, 15s; December
10,000 tons, S S Mijdrecht, clean, Abadan, Mediterranean, 19s 6d; United Kingdom, Continent, 21s 6d; Scandinavia, 22s 6d; January 4-25

Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administrations that products offered for import were adulterated or misbranded under the Federal food and drugs act or did not comply with other customers regulations included the following articles for the reasons stated:—

New York

Two Weeks Ended December 2

Anise, 200 bags; insect infestation.
Anise, 50 bags; filthy.
Bay oil, 16 cases; not National Formulary.
Caraway seed, 625 bags; filthy.
Cassia oil, 10 drums; not U. S. P.
Chlorophyl, technical, 3 cases; restricted use.
Codliver oil, 25 barrels; not U. S. P.
Codliver oil, poultry, 120 drums; restricted use; not labeled to show all variations from U. S. P. standards.
Cumin seed, 300 bags; filthy.
Eucalyptus oil, 10 drums, not U. S. P.
Fennel seed, 10 bags; filthy.
Fruit acid, 1 case; label misleading as to composition; false therapeutic claims.
Ipecac root, 18 bags; not U. S. P.
Jalap root, 20 bags; excess acid-insoluble ash.
Mace, 5 cases; filthy.
Magnesium carbonate, 400 bags; not U. S. P.
Marjoram leaves, 10 bags; filthy.
Medicinals, 2 cases; false therapeutic claims.
Medicinal preparations, case, false therapeutic claims; alcohol not properly declared.
Medicinal preparations, 1 case, false therapeutic claims.
Medicinal preparation, 2 cases, misbranded as to composition.
Nutmegs, 100 bags; mouldy.
Nutmegs, technical, 591 bags; restricted use.
Sandalwood, 64 bags; not National Formulary.
Stramonium leaves, 79 bales; not U. S. P.
Thyme leaves, 38 bales; filthy.
Yeast, 4 barrels; contains arsenic.

Baltimore

Week Ended November 25

Hops, 4 bales; damaged by oil.

Boston

Week Ended November 25

Cocoa beans, 85 bags; damaged.

Buffalo

Week Ended November 25

Medicinal preparation, 1 case; false therapeutic claims.

Philadelphia

Two Weeks Ended December 2

Cocoa beans, 27 bags; damaged by water.
Medicinal preparations, 5 cases; false therapeutic claims.
Medicinal preparation, 1 case; alcohol not declared.

San Francisco

Week Ended November 26

Codliver oil, 60 barrels; deficient in vitamin D.
Medicinal preparations, 57 pieces; false therapeutic claims.

Mifflin Blocks Loss Of Alcohol Permit

WASHINGTON, Dec. 3, 1936.

The Mifflin Chemical Company, Philadelphia, has obtained a stay order from Judge Dickinson of the United States District Court in that city restraining the Bureau of Internal Revenue from interfering with its source of denatured alcohol.

The bureau had ordered revocation of the company's permit to withdraw specially denatured alcohol free of tax for the manufacture of rubbing alcohol. The restraining order was to have been argued December 4, on which date the court would consider issuing a permanent injunction, although there was some belief in Washington that argument would be postponed.

The permit was revoked after an investigation by the bureau convinced officials that the company's rubbing alcohol was being "cleaned" by bootleggers and sold for beverage purposes. There was no charge that the company was not manufacturing the rubbing alcohol according to the prescribed formulas and the terms of its permit, but it was alleged that the company was not sufficiently vigilant in checking up on the uses to which its customers put the product. Revenue agents discovered a number of illicit beverage plants using the Mifflin company's product as raw material and found that it had been obtained through customers of the Mifflin company who had purchased rubbing alcohol in quantities greater than required by their normal business.

The bureau concluded that the company could and should have realized that such customers had no legitimate need for such large quantities of rubbing alcohol and should have been on guard against this possibility of illegal diversion. It is understood in Washington that the company's attorneys contend that there is not sufficient evidence to support this charge and that the company had no way of determining that its product was being resold to bootleggers by its legitimate customers.

It was stated at internal revenue offices that rubbing alcohol manufactured by several concerns has been found on the premises of bootleggers, and it was intimated that similar investigations are being made into the activities of these other producers.

Drug Store Chain Sales Increased in October

Average daily sales of chain drug stores in October, 1936, were 6.7 percent higher than in the same month a year ago, according to preliminary estimates of the Bureau of Foreign and Domestic Commerce issued in a monthly series. The greatest gain was shown by fountain sales, which were 12.4 percent higher than a year ago. Tobacco sales decreased 0.9 percent, and all other sales increased 7.2 percent.

Without allowance for seasonal variation, October, 1936, sales increased 6.6 percent over the sales for the preceding month. Tobacco sales increased 5.2 percent; fountain sales decreased 6.0 percent, and all other sales increased 12.6 percent.

The figures are based on reports for identical stores from 47 chain organizations. Store units represented were located in 41 states and the District of Columbia.

Obituaries

(Continued from page 30)

Dr. Walter Glaeser, internationally known chemist and mining engineer, died of a heart attack December 6, in Nogales, Arizona. He was fifty-six years old. He held degrees from various institutions and was chief chemist and research specialist for a number of Eastern chemical concerns. Surviving is his wife, a former resident of Brooklyn.

David J. Humphrey, who founded the Humphrey-Jones Paint Company, Denver, and later joined the Western Elaterite Roofing Company, died in Denver November 24. Surviving are his wife and three children.

Mercer B. Mayfield, jr., chemist with the Baker-Adamson division of the General Chemical Company, since 1929, died in his home in Yonkers, N. Y., November 29, after a long illness. He was forty-four years old. Mr. Mayfield was graduated from the University of Maryland in 1913; was for a short time with the Pennsylvania railroad, and then served in the Army during the World War. After the war he became associated with the Pittsburgh Testing Laboratories for some years and then went with the General Chemical division. Surviving are his wife, his mother and father, a brother and a sister.

Stacey A. Miller, sales director for the Burgett Varnish Company, Cincinnati, died in a hospital in Wilmington, Ohio, November 27 of complications which developed after an operation performed three weeks ago. Mr. Mitchell, a native of Wilmington, was Clinton County treasurer for five years. He had been connected with the varnish company since 1929. At one time he was connected with the sales division of the Philip Carey Manufacturing Company. Surviving are his wife, his mother and two brothers.

John M. Sperrow, president of the Imperial Varnish & Color Company, Toronto, died at his home in that city, December 2. He was seventy-two years old. Surviving are his brother and two sisters.

John Rollins Stuart, assistant treasurer for the B. B. Chemical Company, producer of dressings, stains, and cements for shoe manufacturers, Boston, died in that city December 2. He was 72 years old. Mr. Stuart was born in Tarrytown, N. Y.; moved to Boston in 1880, and became a partner and treasurer of Pike, Ordway & Stuart, which later became the Boston Blacking Company. This company was purchased by the United Shoe Machinery Company and operated as the B. B. Chemical Company.

Crown Drug Company reports October sales of $725,449 against $640,288 for the corresponding month of last year.

Botanical Drugs

Gums

(Continued from page 46)

offer slabs, tablets and powder from local warehouse stocks.

Guaiac.—Stocks were not too ample and in view of the recent rejections of arrivals, released goods were more firmly priced than they had been in recent weeks. Demand was moderate.

Tragacanth.—An exceptionally strong market prevailed on the spot. Strongly controlled prices in the Near East, the result of government monopoly control, were tending upward. It was said that the primary market government intends to so control production as to give gatherers a steady income throughout the year rather than pay based on concentrated production of huge quantities within a short period of time. Demand here continued to be very good and stocks of high quality gum were comparatively small.

Herbs and Leaves

Cannabis.—The recent advance was fully maintained and the general tone of the market was one of considerable strength throughout the past week. Demand was quiet and routine.

Lobelia.—Stocks in the country were comparatively small and the reserves in local circles were little in excess of requirements if the latter be of a volume somewhat less than the normal call. Prices were well maintained and the potential was toward higher levels.

Marjoram.—Business was not very active. It was jobbing in character and generally covered hand-to-mouth requirements of a comparatively limited number of buyers. Prices were in somewhat easier position and closed lower, as follows:—French, 17c. to 18c. per pound; Tunisan, 16½c. to 17c.

Stramonium.—The recent strength of the market continued to be in evidence. Unless there shall be a sharp increase in arrivals, the quality of which will be approved by the Department of Agriculture, conditions seemed to forecast further rise in spot quotations.

Uva Ursi.—Primary market cables declared stocks to be exhausted. The article comes from Spain and collection was apparently badly neglected this year. Spot quotations have been raised to the basis of 12c. to 13c. per pound as a tentative figure.

Miscellaneous

Balm of Gilead Buds.—The supply seemed to be sufficient to care for demand between now and the collection of new crop. Prices were very steady.

Guarana.—Powdered merchandise was in firm hands who reported the steady movement of normal quantities into the hands of manufacturing consumers. Replacement costs were firmer. Spot quotations were well held.

Kamala.—Sales were made at 44c. to 45c. per pound and reports in local quarters suggested that, in view of moderate spot stocks and the present cost of replacements, further advance in quotations was likely to take place.

Lycopodium.—Spot stocks were very small. So was demand. Therefore, prices were held firm at levels said to be too low when replacement cost and availability of goods in foreign markets was considered. Competition has held the spot market down.

Manna.—Replacement quotations showed a steadier situation in the primary market and hence the recent downward movement in prices has been checked. A fair sized but not expansive demand was reported by local dealers.

Roots

Cube.—The market was not particularly active but trade equaled the volume normal for the material at this time of the year. The recent official schedule of prices on powdered material was held firmly. Honduras is believed to be a future source of supply of rotenone bearing plants, including cube root. Stocks of root available in the middle of September at Iquitos, Peru, were very low. Several sources state that exploitation has decreased in consequence of the low prices prevailing for cube in the local and European markets. Another reason for reduced stocks is that old cube plantations are about exhausted and new plantings will not begin to produce until next year. Total exports from Peru during the first six months of 1936 amounted to 239,274 kilos, practically all of which was exported through the port of Iquitos. In 1935 exports amounted to 439,544 kilos, of which amount 60 per cent was shipped to the United States.

Derris.—Sales of powdered material were said to be in fair sized volume at very steady, if somewhat low, prices which were established officially in the recent past. Stocks were of fair size. With the apparent objective of increasing derris cultivation in Malacca, reports have been published in the daily and agricultural papers concerning the developments in Perak. It is stated that 900 acres are under derris cultivation in the Kinta and Batang-Padang Districts of Perak. The center of the industry is at Malim Nawar and an authority refers to the plants grown in the Kinta valley as *Derris Malacensis*, Kinta type. They are very low in rotenone content, but yield a moderately high ether extractive.

Golden Seal.—Stocks were very small and prices were strong, though inactive. Early relief from undersupply is unlikely. It takes five years to grow golden seal from the seed to the plant ready for harvest. If plants are available for planting, they reach maturity not earlier than three years. Low prices all but stopped cultivation of the article. Present prices are likely to increase the plantings but most of this must be done from seed and hence the benefit of larger production is about five years away.

Ipecac.—The market showed further strength at the source and on spot where quotations were moved up to 87c. to 88c. per pound for whole and 97c. to 98c. for powder. There has been a steady strengthening of the market during the past several weeks.

Jalap.—Purchase of replacement stocks in the primary market was still somewhat difficult and prices to be paid proved to be high enough to keep local quotations to an exceptionally firm position. Demand was very good on the spot.

Valerian.—One hundred bales of this root, believed to be the product of the Soviet Union, were landed here in the previous week. Reports had it that usually this material does not measure up fully to USP requirements, though so far as known the arrival was not detained by the Department of Agriculture.

Seeds

Caraway.—Quotations eased back a fraction to the basic of 7½c. to 8c. per pound last week as the results of a contraction of demand and an easing of the export prices named in the primary market.

Celery.—Quotations went to the basis of 22½c. to 23c. per pound for the French and 17¾c. to 18¼c. for the India seed. These advances were purely the effect of the activity which in foreign markets put replacement costs up substantially.

Cumin.—Prices were lower. Algerian stood at 8½cc. to 9c. per pound; Indian 8¾c. to 9¾c.; Morrocco, 8¾c. to 9¼c. Replacements were available at slightly lower price levels and the result on spot was a somewhat more competitive situation in a not too active market.

Mustard.—The domestic seeds were very firm and in good request. Foreign grown material was steady on spot and in the primary markets but there was not a substantial interest shown in quantities offered for shipment and on the whole trade was quiet along all fronts. Prices in general were maintained free of all but minor fluctuations.

Poppy.—Routine request was noted in local circles but business done was sufficient to keep competition well in check and to make for a firm undertone at all times. The foreign markets were said to be generally steady.

Spices

Cassia.—Undertones were steady. No special activity in either spot or future offerings was reported and demand appeared to be mainly for immediate requirements.

Cinnamon.—The recent advances were productive of an exceptionally firm market in all quarters and during the past week a very good, though usually jobbing, interest did much to consolidate the advances and to keep competition free from local circles.

Ginger.—African root was higher at 14½c. to 15c. per pound. The advance was caused by the withdrawal of offerings by practically all shippers. Futures were generally held at higher price levels. Jamaica root was quiet, demand being light and irregular with prices holding about firm.

Peppers.—Several hundred tons of pepper have been bought on the futures market established in this city recently. The result has been that prices have reacted upward from the low point to which shipment parcels recently declined. White peppers were held steadily in the Far East and the spot remained quiet. Red peppers showed evidence of the fact that there was almost no supply available either in the unsold part of last year's crop, or in the crop of the present year, of domestic peppers. Japan will have to supply most of the needs in the future. Black Lampong was higher at 5¼c. to 5¾c. per pound, that being the sole change in spot prices in the pepper group.

Pimento.—No further advance in prices took place but the market was exceptionally firm in all directions and the tendency, if any, was upward because of the well controlled situation in the primary market.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Bids Wanted

Acetylene:—60,000 cubic feet; U. S. Engineer Office, Vicksburg, Miss.; circular 117, opening December 9.
10,000 cubic feet; U. S. Engineer Office, Vicksburg, Miss.; circular 116, opening December 9.

Acids:—Supplies of for Chicago; Procurement Division, Veterans Administration, Washington; procurement 337, opening December 10.

Ammonia:—Supplies of for various deliveries; Contracting Officer, Quartermaster Corps, St. Louis, Mo.; procurement 801-63, opening December 14.

Antiseptic Solution:—Supplies of; Quartermaster, Plattsburg Barracks, N. Y.; procurement 678-19, opening December 14.

Asphalt, Emulsified:—6,755 55-gallon drums for road work; Contracting Officer, Chief of Engineers, Munitions building, Washington; circular 18, opening December 9.

Baking Soda:—6,500 pounds for eastern yards and Mare Island; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9441, opening January 5.

Borax:—Supplies of for various deliveries; Contracting Officer, Quartermaster Corps, St. Louis, Mo.; procurement 801-63, opening December 14.

Burnt Sienna Pigment:—600 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3204, opening December 15.

Calcium Chloride:—40,000 pounds; Quartermaster, C.C.C., Fort Oglethorpe, Ga.; procurement 5408-40, opening December 10.

Chlorate of Potash:—660 pounds; Commanding Officer, Picatinny Arsenal, New Jersey, circular 319, opening December 7.

Cleansing Powder:—Supplies of for various deliveries; Contracting Officer, Quartermaster Corps, St. Louis, Mo.; procurement 801-63, opening December 14.

Dammar Varnish:—100 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 3204, opening December 15.

Drugs and Chemicals:—Supplies of for various deliveries; Procurement Division, Veterans Administration, Washington; procurement 365, opening December 10.
Supplies of for Chicago; Procurement Division, Veterans Administration, Washington; procurement 350, opening December 10, and 349 and 352, opening December 11.

Enamel, Black:—1,060 gallons; Purchasing Agent, Post Office Department, Washington; procurement 1408, opening December 9.

Enamel Paint:—648 cans; for Perry Point; Procurement Division, Veterans Administration, Washington; procurement X-90, opening December 14.

Fuel Oil:—C grade and for Diesel engines, for east coast; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9486, opening December 9.
Supplies of for Gulf ports; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9469, opening December 15.

Fuel Oil, Bunker C:—60,000 barrels; General Purchasing Officer, Panama Canal, Washington; schedule 3203, opening December 17.

Gasoline:—Supplies of for various deliveries; U. S. Engineer Office, Vicksburg, Miss.; circulars 124, 125 and 126, opening December 10.

Gasoline and Oil:—Supplies of for various deliveries; U. S. Engineer Office, Fort Peck, Mont.; circular 253, opening December 15.
Supplies of as required during January and February; U. S. Engineer Office, Post Office building, Chicago; circular 40, opening December 14.

Laundry Starch:—Supplies of for various deliveries; Contracting Officer, Quartermaster Corps, St. Louis, Mo.; procurement 801-63, opening December 14.

Mayonnaise:—Supplies of for various deliveries; Quartermaster Depot, Army Base, Boston, Mass.; circular 155-77, opening December 10.

Metal Polish:—Supplies of for various deliveries; Quartermaster Depot, Army Base, Boston, Mass.; circular 155-77, opening December 10.

Mixed Acid:—80,000 pounds; Commanding Officer, Picatinny Arsenal, New Jersey; circular 321, opening December 10.

Oxygen:—20,000 cubic feet; U. S. Engineer Office, Vicksburg, Miss.; circular 116, opening December 9.
85,000 cubic feet; U. S. Engineer Office, Vicksburg, Miss.; circular 117, opening December 9.

Pepper, Black:—7,300 pounds, for eastern and western yards; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 9448, opening December 18.

Raw Sienna Pigment:—600 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3204, opening December 15.

Rose Lake:—100 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3204, opening December 15.

Salad Dressing:—Supplies of for various deliveries; Contracting Officer, Quartermaster Corps, St. Louis, Mo.; procurement 801-63, opening December 14.

Salt:—Supplies of; Contracting Officer, Quartermaster Corps, St. Louis, Mo.; procurement 801-62, opening December 11.

Scouring Powder:—Supplies of for various deliveries; Quartermaster Depot, Army Base, Boston, Mass.; circular 155-77, opening December 10.
Supplies of; Quartermaster, Plattsburg Barracks, N. Y.; procurement 678-19, opening December 14.
Supplies of; Quartermaster, Fort Myer, Va.; procurement 579-20, opening December 10.
Supplies of for various deliveries; Contracting Officer, Quartermaster Corps, St. Louis, Mo.; procurement 801-63, opening December 14.

Shoe Polish:—Supplies of for various deliveries; Contracting Officer, Quartermaster Corps, St. Louis, Mo.; procurement 801-63, opening December 14.
Supplies of for various deliveries; Quartermaster Depot, Army Base, Boston, Mass.; circular 155-77, opening December 10.

Soap Flakes:—Supplies of; Quartermaster, Fort Myer, Va.; procurement 579-20, opening December 10.

Soap Powder, Laundry:—16,320 pounds; Treasury Department, Procurement Division, Bureau of Supply, Federal Warehouse, Washington; procurement 1061-S, opening December 11.

Soap, Laundry:—Supplies of for various deliveries; Contracting Officer, Quartermaster Corps, St. Louis, Mo.; procurement 801-63, opening December 14.
Supplies of for various deliveries; Quartermaster Depot, Army Base, Boston, Mass.; circular 155-77, opening December 10.

Soap, Shaving:—Supplies of; Quartermaster, Fort Myer, Va.; procurement 579-20, opening December 10.
Supplies of for various deliveries; Quartermaster Depot, Army Base, Boston, Mass.; circular 155-77, opening December 10.
Supplies of for various deliveries; Contracting Officer, Quartermaster Corps, St. Louis, Mo.; procurement 801-63, opening December 14.

Soap, Toilet:—Supplies of for various deliveries; Contracting Officer, Quartermaster Corps, St. Louis, Mo.; procurement 801-63, opening December 14.
Supplies of for various deliveries; Quartermaster Depot, Army Base, Boston, Mass.; circular 155-77, opening December 10.
Supplies of; Quartermaster, Plattsburg Barracks, N. Y.; procurement 678-19, opening December 14.

Soda Chloride:—170,000 pounds; Quartermaster, C.C.C., Fort Oglethorpe, Ga.; procurement 5408-40, opening December 10.

Spices:—Supplies of for various deliveries; Quartermaster Depot, Army Base, Boston, Mass.; circular 155-77, opening December 10.

Spices and Flavorings:—Supplies of; Contracting Officer, Quartermaster Corps, St. Louis, Mo.; procurement 801-62, opening December 11.

Sulphuric Acid:—100,000 pounds; Commanding Officer, Picatinny Arsenal, New Jersey; circular 321, opening December 10.

Talcum Powder:—Supplies of; Quartermaster, Plattsburg Barracks, N. Y.; procurement 678-19, opening December 14.

Tooth Paste:—Supplies of for various deliveries; Quartermaster Depot, Army Base, Boston, Mass.; circular 155-77, opening December 10.
Supplies of; Quartermaster, Plattsburg Barracks, N. Y.; procurement 678-19, opening December 14.
Supplies of for various deliveries; Contracting Officer, Quartermaster Corps, St. Louis, Mo.; procurement 801-63, opening December 14.

Tooth Powder:—Supplies of for various deliveries; Quartermaster Depot, Army Base, Boston, Mass.; circular 155-77, opening December 10.
Supplies of; Quartermaster, Plattsburg Barracks, N. Y.; procurement 678-19, opening December 14.
Supplies of for various deliveries; Contracting Officer, Quartermaster Corps, St. Louis, Mo.; procurement 801-63, opening December 14.

Trisoda Phosphate:—7,000 pounds; Quartermaster, Fort Sill, Oklahoma; procurement 841-65, opening December 9.

Venetian Red Pigment:—3,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 3204, opening December 15.

Washing Powder:—Supplies of for various deliveries; Quartermaster Depot, Army Base, Boston, Mass.; circular 155-77, opening December 10.

White Lead, Manchester:—88 100-pound kegs; Treasury Department, Procurement Division, Bureau of Supply, Federal Warehouse, Washington; procurement RA-1602-G, opening December 14.

White Lead in Oil:—6,600 pounds; State Procurement Officer, Treasury Department, Columbus, O.; procurement R-30693, opening December 8.

Contracts Awarded

Aluminum, Flaked:—560 pounds; award to W. H. Kemp Company, at 38 cents a pound, by the Commanding Officer, Picatinny Arsenal, New Jersey; procurement 173, opened October 22.

Benzene:—200,000 pounds; award to the Hydrocarbon Products Company, at 1.9875 cents, by the Commanding Officer, Picatinny Arsenal, New Jersey; procurement 909, opened October 26.

Carbon Dioxide, Solid:—40,700 pounds; award to the Mathieson Alkali Works, at 2.5 cents, by the Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 40, opened October 26.

Caustic Soda:—45,024 cans; award to the Buckeye Soda Company, at 4.298 cents, by the Quartermaster Depot, Chicago; procurement 76, opened October 21.

Chlorine:—130,000 pounds; award to the Merchants Chemical Company, at 2.51 cents, by the Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 40, opened October 26.

Chrome Yellow:—200 gallons; award to the Industrial Paint Company, at $2.789, by the Commanding Officer, Picatinny Arsenal, New Jersey, procurement 165, opened October 21.

Cresol Compound:—200 gallons; award to Crystal Soap & Chemical Co., at $1.29 a gallon, by the V. C.C.C., Fort Barrancas, Florida; procurement 28, opened November 4.

Creosote Stain:—1,990 gallons; award to Arkmo Laboratories Company, at $1,031.30, by the Procurement Division, Bureau of Supply, Treasury Department, Washington; procurement RA-1203-N, opened November 6.

Dinitrophenol:—18,000 pounds; award to E. I. duPont de Nemours & Co., at 21 cents a pound, by the Commanding Officer, Picatinny Arsenal, New Jersey; procurement 146, opened October 22.

(Continued on page 60)

Business Opportunities

Minimum rate (36 words), without display, $2.00 per insertion; 25c for each additional 6 words

Payable in advance at 12 Gold Street, New York

Agencies Wanted

FIRM WITH headquarters in Cincinnati and covering Louisville, Dayton and Columbus would be interested in representing firms manufacturing oils, pigments, chemicals, and other raw materials. BOX 783, Oil, Paint and Drug Reporter.

Agents Wanted

PAINT DISTRIBUTORS Wanted—Quick drying, indoor maintenance rubber lacquer, acid and moisture resisting, anti-corrosion, for machinery, tanks, chemical equipment, concrete, etc; good opportunity for right party. BOX 796, Oil, Paint and Drug Reporter.

REPRESENTATIVES WANTED for Philadelphia, Baltimore and vicinity by importers of shellac and water soluble gums. BOX 775, Oil, Paint and Drug Reporter.

Building Offered

TO LEASE—Six-story and basement building in the heart of the food district, 27x175 ft., running through two streets, with loading platforms and elevator at each end of building; capacity 250 lbs. to square foot; available January 1. This building has been occupied by one of the largest chemical concerns for over 25 years. BOX 748, Oil, Paint and Drug Reporter.

Equipment Offered

FROM THE $10,000,000 Spreckels liquidation—Five No. 4 Vallez rotary filters; 1 Shriver filter press, 32-inch cast iron; 40 A. T. & M. 40-inch bronze basket centrifugal machines arranged in batteries of 3, 4, 6 and 8; 1 Swenson triple effect evaporator, copper tubes, 2,000 sq. ft. per effect; 120 motors, 5 h.p. to 150 h.p., 3 phase, 60 cycle, 220 volts; 2,000 tons pipe valves and fittings; miscellaneous vacuum, centrifugal and steam pumps; compressors, engines; 9 Heine water tube boilers, 500 h.p. each, 180 lb. pressure, with Murphy automatic stokers; 50 bucket elevators; large assortment laboratory equipment and library; 150 steel storage tanks, 500 gals. to 10,000 gals.; 15 horizontal jacketed, closed mixing tanks, 5,000 to 10,000 gallons each; miscellaneous screw and belt conveyors, etc. Send us your inquiries. Arrange to visit plant. Consolidated Products-Spreckels Liquidation, Yonkers, N. Y. Telephone: Yonkers 2400.

Equipment Offered

U. S. COLLOID paint mill, type KT-944, with 10 H.P. motor and Kinney rotating pump, type SD-733, with 2 H.P. motor, both in excellent condition. BOX 766, Oil, Paint and Drug Reporter.

PEBBLE MILLS, porcelain jar and brick-lined rebuilt, guaranteed; extractors 40 in. and 36 in. S&U 40 in. Tolhurst; dryers peebles spray, Buffalo 5 ft. x 12 ft. drum and two trucks. Edw. W. Lawler, Inc., Durham avenue and L. V. R. R., Metuchen, N. J.

FOR SALE—Five roller mill, lead mixers, semi-paste mixers, roller mills, pony mixers, change can mixers, pebble mills, dry mixers. Day rapid sifter No. 3. We buy surplus machinery. BOX 789, Oil, Paint and Drug Reporter.

FOR SALE—Thirty-five steel storage tanks, 500 to 6,000 gallons capacity; lot consists of cylindrical, square, also some open top varnish tanks; all in first-class condition; will sell all or part reasonable. Samuel Sons Iron & Steel Co., Inc., 214 Kent avenue, Brooklyn, N. Y.

Equipment Wanted

WANTED—Eureka tablet machine in used condition. Advise best price; advertiser in New York. BOX 784, Oil, Paint and Drug Reporter.

WANTED—One Mitts & Merrill grinder; must be in good working condition, direct drive, with or without motor. BOX 794, Oil, Paint and Drug Reporter.

WANTED—One steam-jacketed vacuum kettle, approximately 325 gallon working capacity, with horseshoe type agitator; one 40 square foot condenser; one vacuum pump, 4½ x 7; state location, condition and best cash price; quote on any single item or the combination. BOX 795, Oil, Paint and Drug Reporter.

Factories Offered

MODERN FACTORY, two story, basement, brick, 50x94, main floor truck level, railroad siding, Otis elevator, basement 11 ft. headroom, office, yard, unrestricted district Brooklyn; for sale, bargain price; also lease. The R. L. Kraft Company, Woolworth Building, Cort. 7-9377.

Factories Offered

CALCIMINE and whiting factory located on Long Island City waterfront; 75x230; for rent, including machinery; reasonable. Harry I. Stein, 551 Fifth avenue, New York.

Materials Offered

ENAMELINER—A novel, unique and valuable product. Gives thickest paint coating on steel ever attained. Remarkable resistance to moisture, chemicals, and hot water. Dries in 30 seconds. Nonexplosive vapor. Black, glossy, imperishable. Sole Mfrs. W. A. Briggs Bitumen Co., 3303 Richmond street, Philadelphia, and 15 Moore street, New York.

Materials Wanted

WILL BUY any quantity surplus or by-product chemicals, greases, waxes, oils, solvents, colors, metal and all raw materials. We pay highest prices. Will also buy complete plant inventory. Write Barclay Chemical Company, Inc., 75 Varick street, New York City.

WANTED—Chemical pure chrome green, all shades, quote price stating quantity with analysis and sample to BOX 790, Oil, Paint and Drug Reporter.

Plants Wanted

PLANT WANTED with good transportation facilities, already equipped for general chemical manufacture. Should include boiler, pumps, mixers, filter presses, pulverizers, storage tanks. Give full details in first letter. BOX 788, Oil, Paint and Drug Reporter.

Positions Vacant

GRADUATE PHARMACIST or chemist; must have had experience in manufacturing in a pharmaceutical plant. Give full details regarding previous employment; state age and salary accepted. BOX 785, Oil, Paint and Drug Reporter.

CONSULTING CHEMIST wanted for abroad; experienced in lacquers, synthetics, cellulose putty and surfaces, and body polishes. Salle, Hotel Pierre, Fifth avenue, at 61st street, New York.

EXPERIENCED heavy chemical and specialty salesman; New Jersey; excellent opportunity with progressive jobber. Reply in detail, full particulars. BOX 798, Oil, Paint and Drug Reporter.

Positions Wanted

CHEMIST—M.I.T. graduate, expert sulphonated oils and all types textile chemical specialties. Can take complete charge production, laboratory, research and development. Some sales and demonstration experience and following. Desire either technical or sales work. BOX 779, Oil, Paint and Drug Reporter.

CHEMIST-TECHNICAL salesman; graduate, 27; experienced production, sales, technical copywriting, desires connection with reliable manufacturer interested reducing production costs or handling perfected chemical substitutes for shellac, waxes, soaps, glycerine; outstanding references. BOX 786, Oil, Paint and Drug Reporter.

PAINT CHEMIST—Experienced in formulating and supervising the manufacture of paints, lacquers, varnishes and allied specialties for general purposes wishes position with growing concern at moderate salary and royalty on new developments. BOX 787, Oil, Paint and Drug Reporter.

MANUFACTURING CHEMIST with thorough experience in production and control of pharmaceuticals, medicinal dyes, ampules and endrocrine products. BOX 791, Oil, Paint and Drug Reporter.

CHEMICAL ENGINEER who has built and operated distilleries for the alcohols. BOX 792, Oil, Paint and Drug Reporter.

INDUSTRIAL RESEARCH chemist, Ph.D., has had work in naval stores and colored pigments. BOX 793, Oil, Paint and Drug Reporter.

Services Offered

MR. PRESIDENT or sales manager—To the executives of the drug trade I offer consultation; my actual practical experience covers all branches and my acquaintance extends from coast to coast; correspondence confidential. Address E. E. M., BOX 797, Oil, Paint and Drug Reporter.

Surplus Stocks

CHECK INVENTORIES—Cash for any quantity surplus finished or raw material—chemicals, oils, coaltar products, metals, drugs, pharmaceuticals, gums, waste and by-product. Entire plants bought. Chemical Service Corp., 101A East 19th street, New York. Stuyvesant 9-0134.

REBUILT MACHINERY SELECTED ITEMS

16—Pebble Mills, including 4—50 gal. porcelain lined, 8—200 gal. silex lined, with roller bearings, and 1—500 gal. silex lined.
5—Colton Stokes & Mulford Tablet Machines, ½" to 2" dia.
10—175 gal. Copper and Aluminum Steam Jacketed Kettles.
3—500 gal. Aluminum Jack. Agit. Kettles.
3—26" Tolhurst Extractors, rubber lined baskets.
10—Dry Powder Mixers, 100 lbs. to 2,200 lbs. capacity.
1—Colton No. 10 worm type Paste Filler.
3—12x30 watercooled Roller Mills, one with roller bearings.
2—Day 12x32 w.c. chain drive Roller Mills.
5—Day Pony Mixers, 8, 15 and 40 gals.
8—Paste Mixers, 50 to 100 gals.
2—700 gal. Duriron Jack. Kettles, closed.
2—W. & P. Jack. Mixers, 200 gal., power tilting, sigma blades.
3—W. & P. Jack. Mixers, 200 gals., power tilting.
25—Filter Presses, 6" to 42" size.
1—J. P. Devine Double Drum Dryer, 4'x9'.

Miscellaneous: Dryers; Mixers; Filters and Filter Presses; Kettles; Pulverizers Mills; Grinders; Tanks; Pumps; Boilers; etc. Send for our Bulletins.

CONSOLIDATED PRODUCTS COMPANY, Inc.

15-17-19 Park Row, New York, N. Y. Phone: Barclay 7-0600
Plant: 335 Doremus Ave., Newark, N. J. Cable Address: Equipment

Contracts Awarded

(Continued from page 59)

Disinfectants:—2,420 gallons; award to the Murphy Products Company, at 44.1 cents a gallon, by the Procurement Division, Bureau of Supply, Treasury Department, Washington; procurement 896-S, opened November 3.

Lacquer:—3,860 gallons; award to Duralac Chemical Corporation, at 85 cents a gallon, by the Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 46, opened November 3.

Linseed Oil:—3,750 pounds; award to the Sherwin-Williams Company, at $420, by the U. S. Engineers, Galveston, Tex.; procurement 54, opened October 7.

500 gallons; award to Thompson & Co., at 72 cents a gallon, by the Procurement Division, Bureau of Supply, Treasury Department, Washington; procurement 910-S, opened November 9.

Naphthalene:—9,000 pounds; award to the Naphthalene Products Company, at 7.25 cents a pound, by the Quartermaster Depot, Chicago; procurement 76, opened October 21.

Oxygen:—Supply of; award to the New Mexico Welding Supply Company, at $5,400, by the U. S. Engineers, Conchas Dam, New Mexico; circular 56, opened October 27.

35,000 cubic feet; award to Linde Air Products Company, at 1.29 cents a cubic foot; by the U. S. Engineer, Kansas City, Mo.; procurement 205, opened October 30.

33,000 cubic feet; award to Linde Air Products Company, at 1.23 cents, by the Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 40, opened October 26.

Paint, Yellow:—500 gallons; award to the Haysville Industrial Paint Company, at 70.6 cents a gallon, by the Commanding Officer, Picatinny Arsenal, New Jersey; procurement 193, opened November 2.

Picric Acid:—72,000 pounds; award to E. I. duPont de Nemours & Co., at 33 cents a pound, by the Commanding Officer, Picatinny Arsenal, New Jersey; procurement 146, opened October 22.

Red Lead:—6,000 pounds; award to the Conray Products Company, at $525, by the U. S. Engineers, Galveston, Tex.; procurement 54, opened October 7.

Soap, Chip:—12,000 pounds; award to the Colgate-Palmolive-Peet Company, at 7.52 cents a pound, by the Quartermaster Depot, Chicago; procurement 93, opened November 5.

Soda, Laundry:—14,000 pounds; award to the Denver Fire Clay Company at 2.625 cents a pound, by the Quartermaster Depot, Chicago; procurement 93, opened November 5.

140,000 pounds; award to Kirkman & Son, at 3.31 cents a pound, by the Post Office Department, Washington; procurement 1138, opened November 2.

Soap, Toilet:—54,864 cakes; award to the Iowa Soap Company, at 2.37 cents a cake, by the Procurement Division, Bureau of Supply, Treasury Department, Washington; procurement 942-S, opened November 12.

Sodium Hydroxide:—126,200 pounds; award to the E. M. Sargent Pulp & Chemical Company, at 2.44 cents, by the Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 40, opened October 26.

Soda Thiosulphate:—5,000 pounds; award to Mechling Brothers Chemical Company, at from 3.28 cents to 3.31 cents a pound, by the Quartermaster Depot, Jeffersonville, Ind.; circular 86, opened November 19.

14,500 pounds; award to the Grasselli Chemical Company, at from $3.30 to $3.71 per hundredweight, by the Quartermaster Depot, Jeffersonville, Ind.; circular 86, opened November 19.

48,800 pounds; award to the Eastman Kodak Company, at from $2.87 to $3.30 per hundredweight, by the Quartermaster Depot, Jeffersonville, Ind.; circular 86, opened November 19.

Spar Varnish:—705 gallons; award to the Sherwin-Williams Company, at 89 cents a gallon, by the Commanding Officer, Rock Island Arsenal, Illinois; procurement 185, opened November 2.

Stove Polish:—79,992 cakes; award to the Joseph Dixon Crucible Company, at 2.9 cents a cake, by the Quartermaster Depot, Chicago; procurement 76, opened October 21.

White Lead:—8,000 pounds; award to the C. A. Woolsey Paint & Color Company, at $720, by the U. S. Engineer, Galveston, Tex.; procurement 54, opened October 7.

White Lead in Oil:—10,000 pounds; award to W. P. Fuller & Co., $857.50, by the U. S. Engineer, Fort Peck, Montana; circular 172, opened October 19.

Colgate Re-elected by Soap-Glycerine Ass'n

S. Bayard Colgate, president of the Colgate-Palmolive-Peet Company, was re-elected president of the Association of American Soap and Glycerine Producers at the tenth annual meeting of that organization, December 3, in the Hotel Biltmore, this city.

Other officers elected were:—Vice-president for the East, F. A. Countway, of the Lever Brothers Company; vice-president for the Central states, R. R. Deupree, of the Procter & Gamble Company; vice-president for the Western states, F. H. Merrill, of the Los Angeles Soap Company; treasurer, Niles S. Dahl, of the John A. Stanley Company; and assistant treasurer, A. Roy Robson, of Fels & Co. Roscoe C. Edlund, manager of the association, was elected secretary.

Board of directors for 1937:—Homer D. Banta, of the Iowa Soap Company; N. R. Clark, of Swift & Co.; G. A. Eastwood, of Armour & Co.; Samuel S. Fels, of Fels & Co.; W. C. Wollen of the Olive Oil Soap Company; George A. Wrisley, of the Allen B. Wrisley Company; C. F. Young of the Davies-Young Soap Company; and S. Bayard Colgate, F. A. Countway, N. S. Dahl, R. R. Deupree, and F. H. Merrill.

President Colgate, in his address to the convention, reviewed briefly the history of the association, and cited the changing conditions which the association had passed through in recent years. Following Mr. Colgate, Roscoe C. Edlund reported on association activities during the year closed, in encouraging the consumption of soap and glycerin, and discouraging legislation discriminatory to these industries.

N. N. Dalton director of research for the association, reporting on the progress of his department, told of the work being done to find new uses for glycerin and so diversify the consumptive fields of this product.

McK.&R. Vitamins in New Form

McKesson & Robbins, Bridgeport, Conn., is offering vitamins B and G concentrate in two dosage forms, syrup and tablets. The new syrup, packed in 3½-ounce glass containers, is suitable for many special uses including dilution in milk or water. It can be mixed, the company states, with any food ingredient or taken straight from the container. The label cautions that the syrup should not be mixed with food substances before cooking as vitamins in the presence of oxygen may not retain their maximum potency when cooked in the ordinary manner. The tablets each contain 100 international units of vitamin B and 25 Bourquin-Sherman units of Vitamin G, and are packed 40 to the bottle.

Lautaro Nitrate Company stockholders have been notified that the plan for the readjustment of the financial structure has been confirmed by the High Court of Justice in England. The time for deposit of the first mortgage 6 percent convertible gold bonds has been extended to January 31 next.

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